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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

[पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस]

[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Kolkata, the 4th September 2004

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and Goa and the Union
Territories of Daman and
Diu & Dadra and Nagar Haveli.
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2490 3852
Fax Nos. (022) 2495 0622, 2490 3852
E-mail: patnum@vsnl.net

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Union Territory of Chandigarh.

Telegraphic Address "PATENTOFFICE"
Phone Nos. (011) 2587 1255, 2587 1256,
2587 1257, 2587 1258.
Fax No. (011) 2587 1256.
E-mail: delhipatent@vsnl.net

3. Patent Office Branch,
Guna Complex, 6th Floor, Annex-II,
443, Annasalai, Teynampet,
Chennai-600 018.

The States of Andhra Pradesh,
Karnataka, Kerala, Tamil Nadu and
Pondicherry and the Union
Territories of Laccadive, Minicoy and
Aminidivi Islands.

Telegraphic Address "PATENTOFFIC"
Phone Nos. (044) 2431 4324/4325/4326.
Fax Nos. (044) 2431 4750/4751.
E-mail. patentchennai@vsnl.net

4. Patent Office (Head Office),
Nizam Palace, 2nd M.S.O. Building,
5th, 6th & 7th Floor,
234/4, Acharya Jagadish Bose Road,
Kolkata-700 020.

Rest of India

Telegraphic Address "PATENTS"
Phone Nos. (033) 2247 4401/4402/4403.

Fax Nos. (033) 2247 3851, 2240 1353.
E-mail. patentin@vsnl.com
patindia@giascl01.vsnl.net.in
Website : http://www.Ipindia.nic.in

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पेटेंट कार्यालय

एकस्व तथा अधिकल्प

कोलकाता, दिनांक 4 सितम्बर 2004

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:--

1. पेटेंट कार्यालय शाखा,
टोडी इस्टेट, तीसरा तल,
सन मिल कम्पाउंड,
लोअर परेल (वेस्ट),
मुम्बई - 400 013 ।

गुजरात, महाराष्ट्र, तथा मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं
संघ शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली।

तार पता : "पेटेफिस"

फोन : (022) 2492 4058, 2496 1370, 2490 3684, 2490 3852

फैक्स : (022) 2495 0622, 2490 3852

ई. मेल : patnum@vsnl.net

2. पेटेंट कार्यालय शाखा,
डब्ल्यू-5, वेस्ट पटेल नगर,
नई दिल्ली - 110 008 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता : "पेटेटोफिक"

फोन : (011) 2587 1255, 2587 1256, 2587 1257,
2586-1258.

फैक्स : (011) 2587 1256.

ई. मेल : delhipatent@vsnl.net

3. पेटेंट कार्यालय शाखा,

गुणा कम्प्लेक्स, छठा तल, एनेक्स-II,
443, अन्नासलाई, तेनामपेट,
चेन्नई - 600 018 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ
शासित क्षेत्र लक्षद्वीप, मिनिकाय तथा एमिनिदिव द्वीप।
तार पता - "पेटेटोफिक"

फोन : (044) 2431 4324/4325/4326.

फैक्स : (044) 2431 4750/4751.

ई. मेल : patentchennai@vsnl.net

4. पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5वां, 6ठा व 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कोलकाता - 700 020 ।

भारत का अवशेष क्षेत्र।

तार पता - "पेटेट्स"

फोन : (033) 2247 4401/4402/4403.

फैक्स : (033) 2247 3851, 2240 1353.

ई. मेल : patentin@vsnl.com

patindia@giascl01.vsnl.net.in

वेब साइट : http://www.Ipindia.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2002 अथवा पेटेंट नियम, 2003 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किए जाएंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित हैं, उस स्थान के अनुसूचित बैंक से नियंत्रक, पेटेंट को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

Application for the patent filed at The Patent Office, Kolkata

26/07/2004

New Application No	Applicant Details
442/KOL/2004	SAMSUNG ELECTRONICS CO. LTD.; , 06/11/2003, Korea; "APPARATUS AND METHOD FOR PROVIDING VIRTUAL GRAFFITI AND RECORDING MEDIUM FOR THE SAME."
443/KOL/2004	TRUTZSCHLER GMBH AND CO. KG.; , 25/08/2003 10/07/2004, Germany; "ARRANGEMENT AT A CARDING MACHINE FOR COTTON, SYNTHETIC FIBRES AND THE LIKE IN WHICH THERE IS AT LEAST ONE CARD TOP BAR HAVING CARD TOP CLOTHING."

27/07/2004

New Application No	Applicant Details
444/KOL/2004	DR. SWAPAN KUMAR CHATTERJEE ; West Bengal, India; "A HERBAL MEDICINE FOR CURING OR TREATING TUMORS /CANCER AND A METHOD FOR PREPARING THE SAME."
445/KOL/2004	PAXAR AMERICAS INC.; , 13/08/2003, United States of America; "PRINTER AND

28/07/2004

New Application No	Applicant Details
446/KOL/2004	E.I. DU PONT DE NEMOURS AND COMPANY.; , 13/11/1996, United States of America; "A TRANSFORMED HOST CELL."
447/KOL/2004	THE TATA IRON AND STEEL COMPANY LIMITED.; Jharkhand, India; "A DEVICE FOR SHELL DEFORMITY EVALUATION TO ENHANCE PERFORMANCE OF A CONTINUOUS CASTER MONITORING AND BREAKOUT DETECTION SYSTEM."
448/KOL/2004	JUNKERS JOHN K.; , 17/03/2004, United States of America; "WASHER AND FASTENER PROVIDED WITH A WASHER"
449/KOL/2004	SAMSUNG ELECTRONICS CO. LTD.; , 13/02/1997, 24/10/1997, 24/10/1997, 12/12/1997, &, Korea; "A METHOD OF MANUFACTURING A SILICON INGOT IN A HOT ZONE FURNACE."
450/KOL/2004	SAMSUNG ELECTRONICS CO. LTD.; , 13/02/1997, 24/10/1997, 24/10/1997, 12/12/1997, &, Korea; "AN APPARATUS FOR GROWING MONOCRYSTALLINE SILICON INGOTS."

29/07/2004

New Application No	Applicant Details
451/KOL/2004	AMIT KUMAR PANDEY ; Bihar, India; "ELECTRIC GENERATION MACHINE WITHOUT FUEL."
452/KOL/2004	BATA INDIA LIMITED.; West Bengal, India; "A MULTI - LAYER INSOCK FOR FOOTWEAR"

30/07/2004

New Application No	Applicant Details
453/KOL/2004	DYSTAR TEXTILFARBEN GMBH & CO. & DEUTSCHLAND KG.; , 16/08/2003, Germany; "DYE MIXTURES OF FIBER REACTIVE AZO DYES, THEIR PREPARATION AND THEIR USE."
454/KOL/2004	DYSTAR TEXTILFARBEN GMBH & CO. & DEUTSCHLAND KG.; , 16/08/2003, Germany; "DYE MIXTURES OF FIBER REACTIVE AZO DYES, THEIR PREPARATION AND THEIR USE."
455/KOL/2004	DYSTAR TEXTILFARBEN GMBH & CO. & DEUTSCHLAND KG.; , 15/08/2003, Great Britain; "FIBRE REACTIVE AZO DYES."
456/KOL/2004	LECHLER GMBH.; , 01/08/2003, Europe; "NOZZLE FOR SPRAYING OF A SURFACE."
457/KOL/2004	COPELAND CORPORATION.; , 25/09/2003, United States of America; "SCROLL MACHINE."
458/KOL/2004	JOHNSON & JOHNSON CONSUMER FRANCE.; , 01/08/2003, France; "PACKAGING FOR COSMETIC HUMAN THERAPEUTIC OR HUMAN HYGIENE PRODUCT RECEPTACLE WITH IMPROVED GUSSETS CONFIGURATION."

03/08/2004

New Application No	Applicant Details
459/KOL/2004	DEGUSSA AG.; , 08/08/2003, Germany; "CARBON BLACK."
460/KOL/2004	ETHICON ENDO-SURGERY INC.; , 06/08/2003, United States of America; "METHOD AND APPARATUS FOR THE TREATMENT OF OBESITY."
461/KOL/2004	PGS GEOPHYSICAL AS.; , 23/09/2003, United States of America; "METHOD FOR SEISMIC MIGRATION USING EXPLICIT DEPTH EXTRAPOLATION OPERATORS WITH DYNAMICALLY VARIABLE OPERATOR LENGTH."

Application for the patent filed at patent office branch, Chennai.

From : 03/01/2004 To : 03/31/2004

New Application No	Applicant Details
162/CHE/2004	Jugraj Sanjay Gandhi, No. 55, 8th "B" Main Road, 4th Block, Jayanagar, Bangalore - 560011; Karnataka, India; "L.P.C. Stove mixing tube"
163/CHE/2004	The Registrar, Indian Institute of Science, Bangalore - 560012; Karnataka, India; "Soluble, conducting, printed, pillar route/ technology for making high density printed wiring boards"
164/CHE/2004	The Registrar, Indian Institute of Science, Bangalore - 560012; Karnataka, India; "Solid, conducting, printed, pillar route/ technology/ method for making high density printed wiring boards"
165/CHE/2004	Institut Francias Du Petrole, 1 & 4, avenue de Bois - Preau, 92852, Rueil Malmaison Cedex, France, , 05/03/2003, France; "Solid crystalline IM - 10, and a process for its preparation "
166/CHE/2004	Nippei Toyama Corporation, 26 - 2, Minami - Oi6 - chome, Shinagawa - ku, tokyo, Japan; , 30/08/2002, Japan. "Machine tool "
167/CHE/2004	Karimbakuzhiyil Nambiyath Balan Raveendran, S/O. C.A. Balan, Karimbakuzhiyil Nambiyath, Kaduthuruthy P.O., Vellassery, Kottayam - 686604; Kerala, India; "Coconut palm disease - resistance mixture"
168/CHE/2004	K.S. Jayaprada, No. 394, 17th Main, 35th Cross, Jayanagar, 4th T Block, Bangalore - 560041; Karnataka, India; "A device, system and method to provide the functionality of a computer on a television "
169/CHE/2004	MAHE, Manipal, Madhav Nagar, Manipal - 576104; Karnataka, India; "Transdermal drug delivery device containing antidiabetic drug for the treatment of diabetes mellitus"
170/CHE/2004	MAHE, Manipal, Madhav Nagar, Manipal - 576104; Karnataka, India; "Biodegradable polymeric solid matrix containing oral antidiabetic drug useful, as sustained release drug delivery system for the treatment of diabetes mellitus"
171/CHE/2004	Mr. K.Senthil Kumar, 1, Thiruvika Street, B.V. Nagar, Chennai - 600 114; Tamil Nadu, India; "Herbal Composition for arthritic patients"
172/CHE/2004	Mr. K.Senthil Kumar, 1, Thiruvika Street, B.V. Nagar, Chennai - 600 114; Tamil Nadu, India; "Herbal Composition for skin ailments"
173/CHE/2004	Mr. K.Senthil Kumar, 1, Thiruvika Street, B.V. Nagar, Chennai - 600 114; Tamil Nadu, India; "Herbal composition for treating venereal diseases"
174/CHE/2004	Mr. K.Senthil Kumar, 1, Thiruvika Street, B.V. Nagar, Chennai - 600 114; Tamil Nadu, India; "Herbal Composition for treating defects in female genitals"
175/CHE/2004	Mr. K.Senthil Kumar, 1, Thiruvika Street, B.V. Nagar, Chennai - 600 114; Tamil Nadu, India; "Herbal Composition for respiratory problems"
176/CHE/2004	Mr. K.Senthil Kumar, 1, Thiruvika Street, B.V. Nagar, Chennai - 600 114; Tamil Nadu, India; "Herbal Composition for treating defects in male genitals"
177/CHE/2004	Mr. K.Senthil Kumar, 1, Thiruvika Street, B.V. Nagar, Chennai - 600 114; Tamil Nadu, India; "Herbal Composition for controlling skin pigmentation"
178/CHE/2004	Mr. Vijay Kumar Pengoria, Old No. 16, New No.2, Narayan Mudali Lane, Chennai - 600 079; Tamil Nadu, India; "Electronic Darkness activated light controller adapter with Spike Buster and Surge Preventer"

179/CHE/2004	Dana Corporation, U.S.A.; , 03/03/2003, United States of America; "Joint design for laser welding zinc coated steel"
180/CHE/2004	Sumitomo Chemical Company Limited, Japan; , 05/03/2003, Japan; "Pesticidal Composition"
181/CHE/2004	Mr. Chidambaram Selvaganapathy & Velusamy Sakthi Saravana Kumar, M.Agaram, Karnatham Post, Vriddhachalam Taluk Cuddalore - 606 104; Tamil Nadu, India; "Life saving cellphone system"
182/CHE/2004	Samsung Electronics Co. Ltd, Korea; , 06/03/2003; 27/06/2003; 21/04/2003, Korea; "Color separating unit and projection type image display apparatus employing the same"
183/CHE/2004	Dr. Reddy's Laboratories Limited; 7 - 1 - 27, Ameerpet, Hyderabad - 500016; Andhra Pradesh, India; "Amorphous desloratadine and process for the production thereof"
184/CHE/2004	M/S. TVS MOTOR COMPANY LIMITED, Jayalakshmi Estates, # 8, Haddows Road, Chennai - 600 006; Tamil Nadu, India; "Headlamp fairing assembly of a motorcycle"
185/CHE/2004	M/S. TVS MOTOR COMPANY LIMITED, Jayalakshmi Estates, # 8, Haddows Road, Chennai - 600 006; Tamil Nadu, India; "Automatic side stand retractor for a motorcycle"
186/CHE/2004	Dr. Indira Srinivasan & Mrs. R. Rajalakshmi, 22-K, South Avenue, Tiruvanmiyur, Chennai - 600 041, Tamilnadu, India; Tamil Nadu, India; "Grahabela Nidarsini"
187/CHE/2004	Dr. Reddy's Laboratories Ltd., 7-1-27, Ameerpet, Hyderabad - 500 016, A.P.; Andhra Pradesh, India; "Amorphous form of Olmesartan medoxomil and Process for the preparation thereof"
188/CHE/2004	LIFE-SHIELD PRODUCTS, INC., CHINA; , 17/03/2003, China; "Safety retractable type syringe"
189/CHE/2004	Dr. N.R. Dayalan, 6-K, Red Cross Road, Opp.Govt. Head Qtrs Hospital, Cuddalore - 607 001.; Tamil Nadu, India; "Snail slow moving gas troped mollusc with a spinal shell"
190/CHE/2004	Samsung Electronics Co. Ltd, Korea; ; "Method for recommended and active set selection for handoff in wireless multimedia networks"
191/CHE/2004	Samsung Electronics Co. Ltd, Korea; ; "Efficient mac architecture for conserving resources in wireless networks"
192/CHE/2004	Indian Institute of Technology, Chennai - 600 036; Tamil Nadu, India; "Refrigerant Mixture for Liquefaction of industrial gases"
193/CHE/2004	M/S Natco Pharma Limited, Natco House, Road No.2, Banjara Hills, Hyderabad - 33; , India; "Improved process for the preparation of an intermediate of venlafaxine"
194/CHE/2004	Fitel, U.S.A.; , 10/03/2003, United States of America; "Fiber optic cable comprising a core surrounded by coating having a radially-varying elastic modulus"
195/CHE/2004	Halla Climate Control Corporation, 1689 -I, Sinil - Dong, Daedeok - Gu, Daejeon - Si, 306 - 230, Korea; , 05/03/2003, Korea; "Axial-Flow Fan"
196/CHE/2004	Inventio AG; Switzerland; ; "Method for the operation of a lift installation"
197/CHE/2004	Tamil Nadu Veterinary and Animal Sciences University, India; , India; "Recombinant antigen-based latex agglutination test for diagnosis of leptospirosis"

198/CHE/2004	Mr. Apte Shashank Shridhar, University College of Pharmaceutical Sciences, Kakatiya University, Warangal - 506009, A.P.; Andhra Pradesh, India; "Pro - nanoparticulate formulations for poorly soluble drug substances"
199/CHE/2004	Dr. Prabhaas chandra Singh, H. No. 6 - 3 - 348/10 -1, (Metro No. 211), Dwarakapuri Colony, Panjagutta, Hyderabad - 500082; Andhra Pradesh, India; "A clamp and a seal"
200/CHE/2004	Dr. Chinni Krishnan Rajkumar & others, No. 40, G.N. Chetty Road, Thyagaraya Nagar, Chennai - 60001; Tamil Nadu, India; "Dehydrated idly"
201/CHE/2004	Northrop Grumman Corporation, USA; , 13/03/2003, United States of America; "Extreme pipeline and optimized reordering technology"
202/CHE/2004	Laila Impex, India; Andhra Pradesh, India; "A process for the synthesis of pharmacologically active (Z/E)-Guggulsterones"
203/CHE/2004	KABUSHIKI KAISHA KOBE SEIKO SHO, JAPAN; , 12/03/2003, Japan; "Batch Mixer"
204/CHE/2004	Enichem S. P.A., Italy; , 07/11/1995, Italy; "A process for the preparation of the compounds having the general formula A1-X-B"
205/CHE/2004	Enichem S. P.A., Italy; , 07/11/1995, Italy; "A process for the preparation of the compounds having the general formula A1-X-A1"
206/CHE/2004	M/s. MSN Laboratories Ltd., Sy No: 317 & 323, Rudraram Village Patancheru Mdl., Medak - 502 329, A.P.; , India; "Process for preparation of pure 4-(cyclopropyl oxo-methyl)- alpa,alpa-dimethyl phenyl aceti acid"
207/CHE/2004	Mr. V.P. Dhayalan, Chartered Accountant, 5, 2nd Street, Stephenson Lane, Vyasarpadi, Chennai - 600 039; , India; "New Technology for the Generation of Electricity Using low input power or by unskilled labour"
208/CHE/2004	Mr. ASHRAFUNISSA, 10-1-128/1/1A, Masab Tank, Hyderabad - 500 028, Andhra Pradesh, India; , India; "Light weight kiln furniture and furnace accessories"
209/CHE/2004	CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS; , India; "A microbial process for arginine production"
210/CHE/2004	M/s. Sami Labs Limited, 19/1 & 19/2, 1st Main, 2nd Phase, Peenya Industrial Area, Bangalore - 560 058, Karnataka, India; , India; "Compositions and methods containing allium sativum linn. (Garlic) naturally enriched with organic selenium compounds for nutritional supplementation"
211/CHE/2004	M/s. Sami Labs Limited, 19/1 & 19/2, 1st Main, 2nd Phase, Peenya Industrial Area, Bangalore - 560 058, Karnataka, India; , India; "A process of preparing labdane diterpene composition, consisting of isoforskolin and deacetylforskolin and forskolin form coleus extract useful as food, dietary supplements, drugs and cosmetics, in weight management, preferably promoting lean body mass"
212/CHE/2004	M/s. Sami Labs Limited, 19/1 & 19/2, 1st Main, 2nd Phase, Peenya Industrial Area, Bangalore - 560 058, Karnataka, India; , India; "Process for preparing water soluble forskolin and related diterpene composition"
213/CHE/2004	Ojila Sundara Rama Reddi, Flat No. F1, Plot No. 127, Anitha Enclave, Road No. 10, Jubilee Hills, Hyderabad - 500034, A.P.; Andhra Pradesh, India; "A process for producing bifidobacterium bifidum"
214/CHE/2004	Ojila Sundara Rama Reddi, Flat No. F1, Plot No. 127, Anitha Enclave, Road No. 10, Jubilee Hills, Hyderabad - 500034, A.P.; Andhra Pradesh, India; "A process for producing lactobacillus acidophilus"

213/CHE/2004	Indian Institute of Technology, Chennai-36; , India; "A process for the manufacture of a highly sensitive electrode and an electrode manufactured by the said process"
215/CHE/2004	Mr. S. M. Kottaraman, 9, First Street, Kamaraj Nagar, Nagalkeni, Chrompet, Chennai - 600 044, Tamilnadu; , India; "Single/multi level two-wheeler parking facility with provision for fully automatic arrangement for selective parking/retrieval into/from the selected slots"
217/CHE/2004	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JAPAN; , 14/03/2003, Japan; "Gear Pump"
218/CHE/2004	Robert Bosch GmbH, Germany; , 13/03/2003, Germany; "Unheated, planar sensor element for determining the concentration of a gas component in a gas mixture"
219/CHE/2004	KOYO SEIRO CO., LTD., JAPAN; , 14/03/2003, Japan; "Electric power steering device"
220/CHE/2004	Dana Corporation, U.S.A.; , 31/01/2003, United States of America; "Compound drive shaft assembly with constant velocity joint"
221/CHE/2004	Samsung Electronics Co. Ltd, Korea; ; "System and method for medium access control in wireless mobile ad-hoc networks"
222/CHE/2004	Dr. Reddy's Laboratories Limited, 7-1-27, Anandnagar, Hyderabad - 500 016, Andhra Pradesh, India, 500 016; ; "Crystallization method to improve particle size of 5-(2-(4-(2-benzylthiazol-3-yl)-1-piperazinyl)ethyl)-6-chloro-1,3-dihydro-2H-indol-2-one hydrochloride (Ziprasidone hydrochloride)"
223/CHE/2004	Kanazawa Paint Co. Ltd., Japan; , 14/03/2003, Japan; "Coating Finishing Method"
224/CHE/2004	The Registrar, Indian Institute of Science, Bangalore - 560 012; , India; "A Novel strategy using a synthetic mta to target ires mediated translation of viral mta"
225/CHE/2004	Mr. Paruchandran, 31, Iyyanar Koil Street, Kunichampet, Thirukanur Post, Pongalur - 605 501; , India; "Mega million year calendar"
226/CHE/2004	Maackia Food Products Private Limited, #5/5-G, Mari Nagar, Maniyampur, Salem - 636 001, Tamilnadu, India; , India; "Coconut Shell Powder"
227/CHE/2004	Mr. U. V. Krishnasudan, 'Aswathi', Behind Dura Coats, Kolathara Chungam Road, Kozhithara Post, Calicut 673 655; , India; "Fail safe devices and circuits with hall sensors in a self oscillating or modulating circuit"
228/CHE/2004	The Registrar, Indian Institute of Science, Bangalore - 560 012; , India; "A novel gelled-electrolyte-agm-hybrid-vrla battery"
229/CHE/2004	SNECMA MOTEURS, FRANCE; 20/03/2003, France; "Feeding energy to a gas terminal from a snip for transporting liquefied gas"
230/CHE/2004	Proalga Biotech Limited, #15, (Old No.6), III Avenue, Indira Nagar, Adayer, Chennai - 600 020; , India; "Novel dry blending of carotenoids to obtain stable direct emulsion and/or granulation formulations"
231/CHE/2004	Nippon Shokubai Co., Ltd., Japan; , 13/03/2003, Japan; "Apparatus and process for purification of acrylic acid family"
232/CHE/2004	Institut Francais Du Pétrole, 1 & 4, avenue de Bois - Preau, 92852, Rueil Malmaison Cedex, France; , 17/03/2003, France; "Process for the alcoholysis of acid oils of vegetable or animal origin"
233/CHE/2004	YKK Corporation, Japan; , 20/03/2003, Japan; "Slide fastener with separable bottom and stop"

234/CHE/2004	YKK Corporation, Japan; , 20/03/2003, Japan; "Slide fastener with separable bottom end stop"
235/CHE/2004	India Nippon Electricals Limited, Hosur; , India; "A fuel injection system for a motor vehicle"
236/CHE/2004	Mr. Vijayan Ravi Kumar, 'Alakapuri', Pattithara Post, Trithala, Palakkad - 679 534, Kerala; , India; "Endodontic instrument for root canal sterilization"
237/CHE/2004	Mr. K. Baskaran, Door No. 205-A, Kaniyamoor Post, Chinnasalem 606 201, Villupuram Dist, Tamilnadu, India; , India; "Baskargear"
238/CHE/2004	Mr. J. Raghunath Rao, 6-3-663/G, 1st Floor, Innovative House, Punjagutta, Hyderabad - 500 082, Andhra Pradesh, India; , India; "Decaffeination of various varieties of teas using super critical fluid extraction co2 process and to optimize the processing capabilities in decaffeination"
239/CHE/2004	Carl Freudenberg KG, Germany; , 25/04/2003, Germany; "Plasma-treated textile sheetlike structures, production thereof and use thereof"
240/CHE/2004	Indian Space Research Organisation, Bangalore, India; , India; "A passive device for improving stability of a jet flame"
241/CHE/2004	Dr. Ajith Kumar V.S. Kunnil House, T.C. 11/1266, Y.M.R. Junction, Nanthencode P.O. Trivandrum - 695 003; , India; "KEHLESCOPE"
242/CHE/2004	Unique Product & Design Co., Ltd., China; ; "Assembling type rotor structure of brushless motor"
243/CHE/2004	Unique Product & Design Co., Ltd., China; ; "Assembling type stator structure of motor"
244/CHE/2004	M/s. TVS Motor Company Limited, 8, Haddows Road, Chennai - 600 006, Tamil Nadu, India; , India; "Motorcycle headlamp fairing assembly with adjustment device"
245/CHE/2004	M/s. TVS Motor Company Limited, 8, Haddows Road, Chennai - 600 006, Tamil Nadu, India; , India; "Fuel saving display device for a two wheeler"
246/CHE/2004	Samsung Electronics Co. Ltd, Korea; , 20/03/2003, Republic of Korea Rwanda; "Projection system using spatial filter"
247/CHE/2004	M/s. Orchid Chemicals & Pharmaceuticals Ltd., Orchid Towers, 313, Valluvar Kottam High Road, Nungambakkam, Chennai - 600 034, India; , India; "Novel Polymorph of cefdinir"
248/CHE/2004	Mr. SANJAMALA BABAIHA & SANJAMALA SAIBABA, 12/443, Kota Street, Proddatur 516 360, Cuddapah Dist., A.P. India; , India; "Impact Energy Driven Power Plant"
249/CHE/2004	Mr. SANJAMALA BABAIHA & SANJAMALA SAIBABA, 12/443, Kota Street, Proddatur 516 360, Cuddapah Dist., A.P. India; , India; "Natural Rotator"
250/CHE/2004	SGL CARBON AG, GERMANY; , 20/03/2003, Germany; "Connecting pieces for carbon material electrodes"
251/CHE/2004	Smt. Prabha Vyas, 56/1, Samtapuri Colony, New Nagole, Post, Saroor Nagar, R.R. Dist., Hyderabad - 500 035. A.P.; , India; "SOYABEAN PAPAD"
252/CHE/2004	Mrs. D. Pushpalatha, W/o. Mr. Alamuri Muralidhar, 189/D, Sector-1, Ukkunagaram, Visakhapatnam - 530 032, Andhra Pradesh, India; , India; "Soybean Papad - a type compound pump"

253/CHE/2004	Mr. A. Sellappan, Backside of Pasupathi Theatre, P.N.Road, Pooluvapathy I Tirupur - 641 602, Tamilnadu; , India; "Interlocking building blocks made of waste materials"
254/CHE/2004	Mr. Nagamangala Puttaswami Anantharam, 'Anugraha' - Near Blossom School, 679 - 67th Cross, Kumaraswamy Layout - Stage One, Bangalore - 560 078; , India; "Power generation by unconventional energy methods"
255/CHE/2004	Mr. Jujare Sreekanth S/o Mr. Jujare Srenivasa Rao, 11-7-28, Gayathri Nagar, Sarror Nagar, Hyderabad - 500 035; , India; "Real time programmable electric switch"
256/CHE/2004	M/S. Orchid Chemicals & Pharmaceuticals Ltd., Orchid Towers, 313, Valluvar Kottam High Road, Nungambakkam, Chennai - 600034; , India; "Novel oxazolidinone derivatives"
257/CHE/2004	M/s. Orchid Health Care, Orchid chemicals & Pharmaceuticals Ltd., Orchid Towers, 313, Valluvar Kottam High Road, Nungambakkam, Chennai - 600 034; , India; "Stable ready-to-use injectable compositions of selective cox-2 inhibitory drugs"
258/CHE/2004	Protechna S.A. Switzerland; , 26/03/2003, Germany; "Transport and storage container for liquids"
259/CHE/2004	Mitsubishi Denki Kabushiki Kaisha, Japan; , 27/05/2003, Japan; "Parallel operating system for non-break power units"
260/CHE/2004	India Nippon Electricals Limited, Hosur; , India; "A fuel injection system for a motor vehicle"
261/CHE/2004	India Nippon Electricals Limited, Hosur; , India; "An Electrical component panel for a motorcycle"
262/CHE/2004	Mr. Muthu paiyan Tamil Selvan, Teaching Research Associate, Department of Textile Technology, A.C. College of Technology, Anna University, Chennai - 600 025; , India; "New Process/operation in the sequence of cotton yarn manufacturing"
263/CHE/2004	Mr. Nathan Senthil Vel, Saptharishi Jothidam, II Floor, Mambazha Salai, A.M. Road, Srirangam, Trichy - 620 006, Tamilnadu; , India; "Xflux quad-in-hex ironmix magnets"
264/CHE/2004	Dr. Anish M Kurias, Kurias Villa, Kattampack P.O. Kottayam, Kerala; , India; "VISHARASAYANA"
265/CHE/2004	Mr. George John, Yoyo Stone Tech, Mather Nagar, Cochin - 682 033, Kerala; , India; "Low rpm marble polishing machine"
266/CHE/2004	Mr. George John, Yoyo Stone Tech, Mather Nagar, Cochin - 682 033, Kerala; , India; "Flexible grinding pads"
267/CHE/2004	M/s. D.S. Industrial Corporation Private Limited, 258, Rajamahar Vilas Extension, Bangalore - 560 080, India; , India; "An apparatus for reclamation of transformer oil"
268/CHE/2004	CHENG Chih-Chiang, CHENG Chih-Yu, & JENG Chih-Cheng, Republic Of China; , India; "Furnace Residue cleaning method"
269/CHE/2004	Mr. Vellore Guruswamy Jagannath, 4, Setlur Street, Langford Town, Bangalore - 560 025; , India; "System for producing an optimal composition of select plant & herb extracts in capsule form that upon consumption.....side effects"

270/CHE/2004	M/s. Orchid Chemicals & Pharmaceuticals Ltd., Orchid Towers, 313, Valluvar Kottam High Road, Nungambakkam, Chennai - 600 034, India; , India; "Novel condensed pyrimidones"
271/CHE/2004	Dr. Palaniappan Meenakshisundaram M.B.B.S., 74/2, Thiagigal Road, Devakottai - 630 302, Tamilnadu, India; , India; "A Novel Herbal Composition for treating HIV/AIDS and fungal infections secondary to HIV"
272/CHE/2004	M/s. Matrix Laboratories Ltd., 1-1-151/1, IV Floor, Sairam Towers, Alexander Road, Secunderabad - 500 003, Andhra Pradesh, India; , India; "Novel polymorph of Aripiprazole and its preparation process"
273/CHE/2004	Shri. Rajaraja Varma, Managing Director and Constituted Attorney, Dupo print pack private limited, Keen Industrial Estate, South Vazhakkulam, Alwaye - 683101.; Kerala, India; "A convergent technique and process to manufacture pallets with pulp to make it more durable and re-usable"
274/CHE/2004	Mr. B.L.J. Fernandez, 414/2, 1st Street, Periyar Nagar, Madipakkam, Chennai - 600 091, Tamilnadu, INDIA; ; "Float Weight System"
275/CHE/2004	M/s. Sundaram Clayton Limited, Jayalakshmi Estates, No. 8 Haddows Road, Chennai - 600 006, Tamilnadu, India; , India; "Piston with extended surface for improved cooling efficiency for air compressor in a motor vehicle braking system"
276/CHE/2004	M/s. National Thermal Power Corporation Ltd., Jyothi Nagar, Ramagundam, Karimnagar - 505 215, Andhra Pradesh, India; , India; "Anti Collision System"
277/CHE/2004	M/s. Fluid Control Research Institute, Kanjikode West - 678 623, Palakkad, Kerala, India; , India; "Multiphase Flowmeter Using Gamma Ray Attenuation Technique In Conjunction With Venturi"
278/CHE/2004	Mr. A. Lakshmanan, 97/20, 13th Street, Praiant Nagar, Tuticorin - 628 008, Tamilnadu, India; , India; "Electrolytic Transformer or four electrode electrolysis cell"
279/CHE/2004	M/s. Banyan Pharma Consortium Pvt. Ltd., 26/27, 3rd Floor, Errabalu Chetty Street, Chennai - 600 001, India; , India; "A novel herbal tea for diabetes & obesity"
280/CHE/2004	Petroleum Research And Development N.V., Netherlands; , 31/03/2003, United States of America; "Generating and displaying a virtual core and a virtual plug associated with a selected piece of the virtual core"
281/CHE/2004	M/s. Forbes Aquatech Ltd., 45/3, Gopalkrishna Complex, Residency Road, Bangalore - 560 025, India; , India; "GRAVITY UNIT"
282/CHE/2004	Kancor Flavours & Extracts Ltd., XVI/138, Kanakkankadu Road, Angamally (South) - 685 373, India; ; "Novel xanthophyll crystals"
283/CHE/2004	University of Madras, Taramani, Chennai - 600 005, Tamilnadu, India; , India; "An improved composition (medium) useful for assay of a probiotic and a process for its preparation"
284/CHE/2004	Mr. JOJOMON K.C. Kooramattathil House, Koovapally Post - 686 518, Kottayam Dist, Kerala, India; , India; "An improved device for to supply water, liquid or fluid"
285/CHE/2004	The Naval Dockyard, Visakhapatnam - 530 014, Andhra Pradesh, India; , India; "Chernaqua automobile pollution control device for diesel vehicles"
286/CHE/2004	Mr. Muthukulathil Francis, Chemperi - 670 632, Kannur Dist, Kerala, India; , India; "A device for remove the dry shel of arecanut"

287/CHE/2004	M/s. TVS MOTOR COMPANY LIMITED, Jayalakshmi Estates, No. 8, Haddow Road, Chennai - 600 006, Tamilnadu, India; , India; "An improvement on stopper gear shift cam"
288/CHE/2004	M/s. TVS MOTOR COMPANY LIMITED, Jayalakshmi Estates, No. 8, Haddows Road, Chennai - 600 006, Tamilnadu, India; , India; "Drive arrangement of a pump on a variator engine for scooter type motorcycle"
289/CHE/2004	M/s. Bharat Earth Movers Ltd., BEML Soudha, 23/1, 4th Main, S.R. Nagar, Bangalore - 560 027, Karnataka, India; , India; "Multi functional vehicle data recorder"
290/CHE/2004	Mr. B.L.J. Fernandez, 414/2, 1st Street, Periyar Nagar, Madipakkam, Chennai - 600 091, Tamilnadu, India; , India; "Sand flushing cleaning system"
291/CHE/2004	C.R.I. Pumps (Pvt) Limited, 122-B, Athipalayam Road, Chinnavedampatti, Ganapathy, Coimbatore - 641 006, T.N. India; , India; "Deep Float Series"
292/CHE/2004	Mr. A.N. Srinivasan, C/o. Induru Gopal Reddy, Panta Street, Atmakur - 524 322, Nellore Dist, A.P. India; , India; "Motorist face cooling helmet"
293/CHE/2004	E.I.D. Parry (India) Limited, Chennai - 600 001; , India; "An improved granular formulation of neem seed extract and its process thereof"
294/CHE/2004	M/s. Orchid Chemicals & Pharmaceuticals Ltd., Orchid Towers, 313, Valluvar Kottam High Road, Nungambakkam, Chennai - 600 034, Tamilnadu, India; , India; "Process for the preparation of thiazole intermediate"
295/CHE/2004	M/s. Orchid Chemicals & Pharmaceuticals Ltd., Orchid Towers, 313, Valluvar Kottam High Road, Nungambakkam, Chennai - 600 034, Tamilnadu, India; , India; "New antibacterial agents"
296/CHE/2004	Mr. Mallimadugula Venkata Bhaskar, 73, Ashok Manipuri, Ecil post, Kapra, Hyderabad - 500 062, A.P. India; , India; "Flexible funnel solar energy concentrator"
297/CHE/2004	Mr. Mallimadugula Venkata Bhaskar, 73, Ashok Manipuri, Ecil post, Kapra, Hyderabad - 500 062, A.P. India; , India; "Sun tracking reflector"
298/CHE/2004	Mr. Thandassery Raghavan Raghulal, Thandassery House, Womens Club Road, Chembukavu, Thrissur - 680 020, Kerala, India; , India; "An improved process for the preparation of puttupodi"
299/CHE/2004	Mr. Arunkumar P.L. S/o. Mr. AR. Palaniappan, 158, Sundarraj Nagar, Subramaniapuram, Trichy - 620 020, T.N. India; , India; "Analysis, design and real time implementation of tamper-proof electronic voting machine"
300/CHE/2004	Central Power Research Institute, Bangalore; , India; "An apparatus for optimum extraction of dissolved gases in mineral oil and synthetic oil"
301/CHE/2004	Central Power Research Institute, Bangalore; , India; "A flame retardant composition for cable applications"

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 856/MUM/2002 A (22) Date of filing of Application: 01/10/2002

(54) Title of the invention: A SINGAL CYLINDER DIESEL ENGINE

<p>(51) International classification: F01L 1/34, F01L 1/ 04, F02M 39/02</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>CHHAGANBHAI GORDHANBHAI DODIYA</p> <p>Address of the Applicant:</p> <p>NADI KINARA, OPP. PALIYAD BUS STOP, BOTAD-364 710 NATIONALITY AND INDIAN</p> <p>(72) Name of the Inventors:</p> <p>CHHAGANBHAI GORDHANBHAI DODIYA</p>
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(57) Abstract : A Novel Single Cylinder Diesel Engine eliminates the cost of conventional valve functioning assembly, frequent replacement of valve assembly. It has smooth operative function without vibration. The meshing gears used are helical gears leads to proper wiping action, which improves their contact and lubrication. Crankshaft used has provision to flow oil from both end of the crankshaft to the connecting rod bearings. To operate improved valve assembly & fuel injector pump, two nos. camshaft namely pump camshaft & overhead valve camshaft are invented which eliminates requirement to replace camshaft frequently as each camshaft operates improved valve assembly & fuel injector pump independently. The overhead valve camshaft and hence improved valve assembly are operated by the timing chain, which is mounted on the chain wheel of overhead valve camshaft, and pump camshaft. By reducing weight & unnecessary parts of the piston enable swift up and down movement of the piston inside the cylinder. The net saving in terms of all above parameter saves the operative cost to the extent of 18% and also due to improved design of overhead valve assembly the rated R.P.M. can be attained. This special feature can open an opportunity for different use of engine including the use in motorcycle.

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

- (21) Application No.: 857/MUM/2002 A (22) Date of filing of Application: 01/10/2002
(54) Title of the invention: COLLAPSIBLE MOBILE STORAGE RACK

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	SHRIPATHI GANPATHI MARATHE
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	DB-24, CLARION PARK, AUNDH, PUNE - 411 007, MAHARASHTRA, INDIA, INDIAN NATIONAL
(33) Name of convention country : NIL	(72) Name of the Inventors:
(66) Filed U/s. 5(2) : NO.	SHRIPATHI GANPATHI MARATHE
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : A mobile storage rack consisting of column element pairs secured to beam elements, the column element pairs being secured to each other by means of collapsible means which permit the pairs of column elements to be variably displaced from a spaced apart configuration to a collapsed so that in a spaced apart configuration the rack straddles a pallet stack located in the space defined by the column element pairs and the beam elements are able to support a second set of pallet stacks thereabove without loading the pallet stack located in the space defined in the column elements and in the collapsed configuration the rack is transportable for storage.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 858/MUM/2002 A (22) Date of filing of Application: 01/10/2002

(54) Title of the invention: NON-REFILLABLE VALVE FOR A PRESSURE CONTAINER

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	INOX INDIA LIMITED
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	4 TH FLOOR, ABS TOWERS, OLD
(33) Name of convention country : NIL	PADRA ROAD,
(66) Filed U/s. 5(2) : NO.	BARODA 390 007,
(61) Patent of addition to application No.: NIL	GUJARAT, INDIA.
(62) Filed on : N.A.	(72) Name of the Inventors:
(63) Divisional to Application No.: NIL	JETHANAND JHAMANDAS JHURANI
(64) Filed on: N.A.	

(57) Abstract : This invention relates to a non-refillable valve for a pressure container. It comprises a non-refillable device comprising of a spring loaded port sealing member having an end T-piece and a plug to hold the spring is provided at the outlet nozzle such that when the valve is in the active position of filling, the stem of the spindle is in the lifted position and the port sealing member is in the pulled position by means of the spring, thereby providing a communication between outlet nozzle and the container for filling and after completion of filling, the end T-piece is pulled and cut off whereby the port sealing member gets retracted, because of the spring, to seal the side port and thereby preventing the flow of fluid in the filling direction while permitting flow of fluid in the opposite direction for discharging

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 859/MUM/2002 A (22) Date of filing of Application: 03/10/2002

(54) Title of the invention: AQUA PRINT TECH

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	MAHESH DAMJI LAPASIA
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	1, GANGARAM BHOIR BUILDING, GUPTE ROAD, GOANDEVI, NEAR OMKAR APARTMENT, DOMBIVLI (W)- 421 201, DIST. THANE INDIA.
(33) Name of convention country : NIL	(72) Name of the Inventors:
(66) Filed U/s. 5(2) : NO.	MAHESH DAMJI LAPASIA
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : "AQUA PRINT TECH" process as substantially described in paragraphs 1 to 12 of complete specification and supported by the accompanying drawing 01;

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 860/MUM/2002 A (22) Date of filing of Application: 03/10/2002

(54) Title of the invention: A NOVEL METHOD OF MANUFACTURING THE WATER BASED (AQUEOUS) LIQUID INKS FOR USE IN, DIFFERENT TYPES OF INK JET PRINTERS

(51) International classification: C 09 D 11/02	(71) Name of the Applicant:
(30) Priority Data :	SHAKUN GOSWAMY
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	41-B, RUIA PARK,
(33) Name of convention country : NIL	47, J. R. M. MARG, JUHU,
(66) Filed U/s. 5(2) : NO.	MUMBAI : 400 049,
(61) Patent of addition to application No.: NIL	MAHARASHTRA, INDIA
(62) Filed on : N.A.	(72) Name of the Inventors:
(63) Divisional to Application No.: NIL	HARISH GOSWAMY
(64) Filed on: N.A.	

(57) Abstract : A novel process of manufacturing the water based (aqueous) liquid ink for use in different types of ink jet printers. The water based (aqueous) liquid ink for use in different types of ink jet printers, composition comprising of the Dye with salt content upto 15% , the Co-Solvents, Kogation Agent, Biocide, PH buffer , Conductivity agents and the balance being Deionised Water. The Dye with salt content upto 15% is present in a range of from about 0.1% to 12%, the Co-Solvents are present in a range of from about 0.1% to 30%, the Kogation Agent is present in a range of from about 0.01% to 2%, the Biocide is present in a range of from about 0.01% to 0.5%, PH buffer is present in a range of from about 0.01% to 3.0%, Conductivity agents are present in a range of from about with percent by weight of 0% to 3.0% and the balance being Deionised water.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 861/MUM/2002 A (22) Date of filing of Application: 03/10/2002

(54) Title of the invention: **NOVEL INTERMEDIATE AND PROCESSES FOR ITS PREPARATIONS AND CONVERSION INTO A PHARMACOLOGICALLY- ACTIVE AGENT.**

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>ALEMBIC LIMITED</p> <p>Address of the Applicant:</p> <p>ALEMBIC ROAD, VADODARA – 390 003, GUJARAT, INDIA, AN INDIAN COMPANY</p> <p>(72) Name of the Inventors:</p> <ol style="list-style-type: none"> 1. RATHOD DHIRAJ MOHANSINH 2. SRINIVASAN RENGARAJU 3. GHARPURE MILIND MORESHWAR 4. PATEL NISHANT MAHENDRA 5. DEOAHAR MANDAR MANOHAR
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(57) Abstract : Process for the preparation of Venlafaxine (IX) via the novel epoxynitrile intermediate (I), which when subjected to hydrogenation forms compound (X), and may subsequently be reduced to yield the desired product (IX). The epoxy-nitrile intermediate (I) itself may be synthesised via various alternative reaction strategies, from a range of starting materials. E.g. 4-methoxy-benzaldehyde (VI), upon treatment with cyclohexyl magnesium bromide yields compound (V). This in turn may be oxidised to yield compound (III), which forms compound (II) on treatment with an α -keto-halogenation agent. Cyanation of compound (II), then yields the desired epoxy nitrile intermediate (I), from which Venlafaxine (IX) may be synthesised.

Figure : NIL

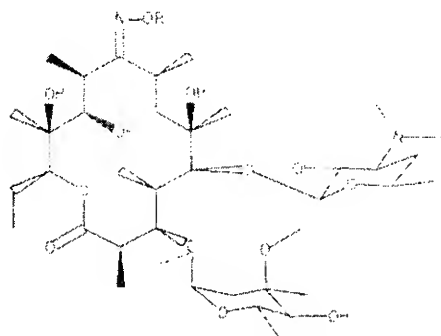
Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

- (21) Application No.: 862/MUM/2002 A (22) Date of filing of Application: 03/10/2002
- (54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARATION OF ERYTHROMYCIN DERIVATIVE

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>ALEMBIC LIMITED</p> <p>Address of the Applicant:</p> <p>ALEMBIC ROAD, VADODARA – 390 003, GUJARAT, INDIA, AN INDIAN COMPANY</p> <p>(72) Name of the Inventors:</p> <ol style="list-style-type: none"> 1. KILLOL PATEL 2. ANURAG HITKARI 3. KESHAV DEO 4. V. K. KANSAL
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(57) Abstract : A process for the preparation of Erythromycin -9-O-[Substituted]-oxime [Formula III]; wherein R= Substituted or unsubstituted alkyl Aryl group; prepared by the reaction of Erythromycin A-9-Oxime with aryl alkyl halide using inorganic base in presence of polar aprotic solvents except a DMF.



[Formula – III]

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 863/MUM/2002 A (22) Date of filing of Application: 03/10/2002

(54) Title of the invention: INDICATOR KIT

<p>(51) International classification: A 47 L G 01 N 31/22</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI: 400 020, MAHARASHTRA, INDIA.</p> <p>(72) Name of the Inventors:</p> <p>1. ACHAR SUDHIR 2. SHAH NIMISH HARSHADRAI</p>
<p>2</p>	

(57) **Abstract :** The present invention relates to a method for evaluating the effective cleaning/washing of substrates and/or the deposition of desired actives/benefit agents on substrate such as oil based sunscreen agents as cosmetic compositions and the like. The invention also relates to a kit adapted for simple and cost effective application of such method for evaluation of cleaning of substrate and/or deposition of actives/benefit agents on substrates.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 864/MUM/2002 A (22) Date of filing of Application: 03/10/2002

(54) Title of the invention: **MECHANICALLY OPERATED AUTOMATIC TOILET SYSTEM**

(51) International classification: A 45 D 44/00	(71) Name of the Applicant:
(30) Priority Data :	AMOL AJIT MEHTA
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	OPPO. SUNDER CHITRA MANI R
(33) Name of convention country : NIL	MAFHALI ALI, MAHAD-RAIGAD,
(66) Filed U/s. 5(2) : NO.	MAHAD 402 301,
(61) Patent of addition to application No.: NIL	MAHARASHTRA STATE, INDIA
(62) Filed on : N.A.	(72) Name of the Inventors:
(63) Divisional to Application No.: NIL	AMOL AJIT MEHTA
(64) Filed on: N.A.	

(57) Abstract : Water is the other name of without which no one can survive. Every creature on the earth requires water to the flame of life. The progress and economy of the region or the country depends upon the water available.

Today on the threshold of the twenty first centuries we all are facing severe water crisis. The problem water crisis is not restricted to a single region or country but it is also faced by the whole world. It is need of time to act now to save water and use it the most efficient way. We should try to avoid water wastage the each and every drop of water should used at its best.

Due to rapid industrialization, de forestation, alarming population, the uneven nature of rainfall, water pollution, etc we are on the virtue of water crisis. When we have many countries, state and peoples fighting for the water, we should look in this problem vary seriously. We have drought-affected regions, running water tankers, walking peoples for kilometers in search of water, down grading economy,. Thus it is obligatory on us to save the water the way which can be possible.

The designed toilet system, which is automatic, is ecofriendly. It does not require any kind of electric of power supply. It simply works mechanically. The system does not require any kind of human interference to operate or for functioning of system Thus it totally avoids the human tendency to open or close the tap depending upon his will.

The system consists of a plate, which is attached to springs. When the person comes for urinating he stands on the plate The plate move against the tensions in the springs. The movement of plate opens the one of the valves. The water starts flowing through tap and thus urine get washed away. The water is used only when the person comes for urinating in the toilet.

When the person down steps from the plate, the plate returns back to its original position. Due o this the valve which was opened gets closed. The water stops flowing when person has used it.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 865/MUM/2002 A (22) Date of filing of Application: 03/10/2002
- (54) Title of the invention: A PROCESS FOR THE PREPARATION OF HERBICIDALLY ACTIVE PHENYL-THIO-PYRIMIDINES AND THEIR SALTS

(51) International classification: A 01N 43/54	(71) Name of the Applicant:
(30) Priority Data :	GODREJ AGROVET LIMITED
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	PIROJSHANAGAR,
(33) Name of convention country : NIL	EASTERN EXPRESS HIGHWAY,
(66) Filed U/s. 5(2) : NO.	VIKHROLI (EAST), MUMBAI : 400 079,
(61) Patent of addition to application No.: NIL	MAHARASHTRA, INDIA,
(62) Filed on : N.A.	AN INDIAN COMPANY
(63) Divisional to Application No.: NIL	(72) Name of the Inventors:
(64) Filed on: N.A.	1. DR. NAIK PARAG VILAS
	2. IYER RAMASWAMY
	3. DR. RAMRAJ VELASWAMY
	MUNUSWAMY
	4. DR. VYAS BRAHMANAND
	AMBASHANKAR
	5. DR. MISTRY KEKI BAMANSHAW
	6. GODREJ NADIR BURJOR

(57) Abstract : A process for the preparation of herbicidally active phenyl-thio-pyrimidines and salts thereof which comprises condensation of an aromatic thiol with pyrimidine in the presence of a soluble phase transfer catalyst and an inorganic base in an organic solvent. The molar ratio of the aromatic thiol to the phase transfer catalyst is $1:1 \times 10^{-5}$ – $1:1 \times 10^{-3}$. The phenyl-thio-pyrimidines may be converted into their salts by treatment with alkali metal carbonates in an organic solvent.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 866/MUM/2002 A (22) Date of filing of Application: 03/10/2002

(54) Title of the invention: **PROCESS FOR THE PREPARATION OF ANTI-DIABETIC DRUG N-{4-[2-(5-METHYL-PYRAZINYL-2-CARBOXAMIDO)-ETHYL]-BENZENE SULPHONYL-N¹ CYCLOHEXYLUREA COMMONLY KNOWN AS GLIPIZIDE**

(51) International classification: C07D 241/02	(71) Name of the Applicant:
(30) Priority Data :	USV LIMITED
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	BSD MARG, (GOVIND STATION ROAD), MUMBAI 400 088.
(33) Name of convention country : NIL	MAHARASHTRA, INDIA,
(66) Filed U/s. 5(2) : YES	AN INDIAN COMPANY,
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	(72) Name of the Inventors:
(63) Divisional to Application No.: NIL	USV LIMITED
(64) Filed on: N.A.	

(57) Abstract : Process for the preparation of anti-diabetic drug N-{4-[2-(5-methyl-pyrazinyl-2-carboxamido)-ethyl]-benzenesulphonyl}-N'-cyclohexylurea commonly known as Glipizide. 5-methylpyrazine-2-(2-phenylethyl) carboxamide is purified by treating it with charcoal in the presence of an acid. The insoluble impurities were filtered. The filtrate is extracted with an organic solvent and neutralized with a base to pH 5-7. The resulting purified 5-methyl pyrazine-2- (2-phenylethyl) carboxamide is chlorosulphonated with chlorosulfonic acid in the presence of an organic solvent at 5 to 40°C. The {N-[2-[4-(chlorosulfonyl)phenyl]ethyl]-5-methylpyrazine carboxamide is amidated with ammonia solution to obtain N-[2-[4-(aminosulfonyl)phenyl]ethyl]-5-methylpyrazine which is condensed with cyclohexyl isocyanate in a polar solvent in the presence of a base. The crude N-{4-[2-(5-methyl-pyrazinyl-2-caarboxamido)-ethyl]-benzensulphonyl}-N' -cyclohexylurea is purified by treating it with charcoal in the presence of an alcohol and an organic base or ammonia at 0-25°C. The insoluble impurities were filtered. The filtrate is acidified with an acid at pH 3 to 6.5 and 0 to 25°C to precipitate out the purified N-{4-[2(5-methyl-pyrazinyl-2carboxamido)-ethyl]-benzesulphonyl}N¹-cyclohexylurea.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 867/MUM/2002 A (22) Date of filing of Application: 03/10/2002
- (54) Title of the invention: COMPOSITE STRUCTURAL ARTICLE FOR FRAME STRUCTURES

(51) International classification: F61S 1/00	(71) Name of the Applicant:
(30) Priority Data :	BAYER AKTIENGESELLSCHAFT
(31) Document No.: 10149522.6	Address of the Applicant:
(32) Date : 08/10/2001	D-51368, LEVERKUSEN, GERMANY
(33) Name of convention country : GERMANY	A GERMAN COMPANY
(66) Filed U/s. 5(2) : NO.	(72) Name of the Inventors :
(61) Patent of addition to application No.: NIL	1. MARTIN KLOCKE
(62) Filed on : N.A.	2. BORIS KOCH
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : A composite structural article, of preferably metal and thermoplastic material is described. The composite structural article comprises : (a) at least one reinforcing element (2) having sized openings (20); and (b) at least three profiled sections (1,3,4). A portion of each profiled section (1, 3, 4) is connected interlocking with a portion of the reinforcing element (2). At least two of the profiled sections (1,3,4) have terminal portions each having a projecting region (5) that engages interlocking with the sized openings (20) of the reinforcing element (2), such that a portion of the reinforcing element (2) surrounds at least partially the projecting regions (5). The profiled section (1,3,4) are further joined to the reinforcing element (2) by means of thermoplastic material (10,11,12,13) injected in the region of each interlocking connection with the reinforcing element (2). In addition, one of the profiled sections (3) is in at least one of : (i) an abutting relationship with at least two of the profiled section (1,4); and (ii) an interlocking relationship with at least two of said profiled sections (1,4). Articles that may comprise the composite structural article of the present invention include, for example motorized vehicles electronics articles and domestic appliances

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 869/MUM/2002 A (22) Date of filing of Application: 03/10/2002
- (54) Title of the invention: COMPOSITIONS CONTAINING WATER-SOLUBLE SUBSTANTIVE UV-ABSORBING POLYMERS.

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>GALAXY SURFACTANTS LIMITED</p> <p>Address of the Applicant:</p> <p>C-49/2, TTC INDL. AREA, PAWNE , NAVI MUMBAI : 400 703. MAHARASHTRA, INDIA.</p> <p>(72) Name of the Inventors :</p> <p>1. KOSHTI NIRMAL 2. NAIK SHUBHANGI</p>
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(57) Abstract : This invention relates to skin, hair and fabric care compositions containing water-soluble cationic polymers having cinnamidoalkylamine and/or benzamidoalkylamine moieties of Formula I. These polymers provide excellent UV-protection to hair, skin and fabric which is mainly achieved not only because of the polymeric and cationic nature but also due to reduced solubility a temperature equivalent to body temperature and in the presence of salt water.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

- (21) Application No.: 870/MUM/2002 A (22) Date of filing of Application: 03/10/2002
 (54) Title of the invention: THE STABLE BIKINI CONDOM FOR LADIES

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>1. VIJAY KUMAR TIWARI</p> <p>Address of the Applicant:</p> <p>F-91/48 (1205) TULSINAGAR, BHOPAL – 462 003.</p> <p>(72) Name of the Inventors:</p> <p>1. VIJAY KUMAR TIWARI</p>
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(57) Abstract : The stable condom is a safety device against HIV virus and other sex related infections. In fact this device for ladies is an easy availability of condom at the action spot. Most of us are shy of keeping condom in the pocket or below the pillow. Condom process requires at least 30 seconds-to search it, then to tear-off the packet and to mount on.

To avoid all this exercise, a squarely figure marked at the lowest part of the ladies Bikini i.e. the underwear denotes a tyre-tube like mechanism with a slight difference. The tube i.e. the condom is encircled in the channel by a round shaped plastic or rubber round cover and leaving outside at the hole, its frontal-tip portion which when pushed through by penis, automatically starts wrapping. Based on a natural principal that a new born baby of any mammals instinctively finds the nipple so doe the female practically adjust the condom bearing frame for sexual performance.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 871/MUM/2002 A (22) Date of filing of Application: 03/10/2002

(54) Title of the invention: ENERGY SAVER BRAKE SYSTEM

<p>(51) International classification: B62L 1/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>ABHISHEK KUMAR SAHU</p> <p>Address of the Applicant:</p> <p>C/O SAHU SAW MILL, PANDRI TARAI, RAIPUR, CHHATTISGAARH, INDIA – 492 004, INDIA</p> <p>(72) Name of the Inventors:</p> <p>ABHISHEK KUMAR SAHU</p>

(57) Abstract : *Energy Saver Brake* is a system which conserves the energy during the application of brake and reuses this energy to run the bicycle and getting the speed. Thus it saves the energy. When rider rides the bicycle and applies the ordinary brake, than Kinetic Energy of bicycle transforms into the heat energy due to friction produced in brake shoes and transfers to the surrounding, thus this energy is totally lost. If this Kinetic Energy can be stored and can be transformed in to another form of energy, it can utilize to drive the wheels **after** the application of brake. Due to the application of ordinary brake in the bicycle the kinetic energy of bicycle is lost. To repaddle the bicycle the rider has to apply more efforts. To save the rider's efforts, an attempt has been made to design an "Energy Saver Brake" system for bicycle. And it can also be use in rickshaws. Fabrication process of this system is going on.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

- (21) Application No.: 873/MUM/2002 A (22) Date of filing of Application: 04/10/2002
- (54) Title of the invention: AN INHALATION DEVICE FOR THE DELIVERY AND STORAGE OF POWDERED MEDICAMENTS

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>CADILA HEALTHCARE LIMITED</p> <p>Address of the Applicant:</p> <p>ZYDUS TOWER, SATELLITE CROSS ROADS, AHMEDABAD 380 015, GUJARAT, INDIA</p> <p>(72) Name of the Inventors:</p> <p>1. BELAPURE S. G. 2. PATEL PANKAJ R. 3. PATEL SHARVIL P</p>
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(57) Abstract : An inhaler device for storage and dispensing of powdered medicament is disclosed. The device comprises of a main body having separate cavity for storage of capsules. The front portion of the device has a recess for receiving a spout in a rotatable manner. When a person inhales from the spout, air enters the mouthpiece creating a circular air current and thereby delivering the medicament to the patient. The device also has a flap for covering the front and rear cavity thus maintaining hygiene when the device is not in use.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 874/MUM/2002 A (22) Date of filing of Application: 04/10/2002

(54) Title of the invention: METHODS FOR SELECTIVELY STAINING WATER SOLUBLE PROTEIN USING REACTIVE DYE AND ITS APPLICATIONS THEREOF

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>TAIWAN UNISON BIOTECHNOLOGY CO. LTD.</p> <p>Address of the Applicant:</p> <p>NO. 36, LANE 482, MING-HU RD., HSINCHU, TAIWAN, REPUBLIC OF CHINA</p> <p>(72) Name of the Inventors:</p> <ol style="list-style-type: none"> 1. KUANG PIN HSIUNG 2. TZONG-HSIUNG HSEU 3. WEN-FA YAO 4. YUNG-CHUAN LIU
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(57) Abstract : A method of selectively staining the water-soluble protein in which a commonly used reactive dye binds to the protein by reacting with a carboxyl group, amino group, and thiol group from the amino acids that make up the protein. When the specimen to be stained is an antibody, the reaction is adjusted to occur in an acidic environment so as to promote reacting the reactive dye with the carboxyl groups of the amino acids of the antibody and the carboxyl group of oligosaccharide conjugated to the constant region of the antibody. The staining reaction occurs in an alkaline solution to produce a more intense staining for the protein, without using the antibody as a marker ligand. After the protein is stained with the reactive dye, an unreacted portion of portion dye molecules is separated from the stained protein. The stained protein is purified and the stained protein is further freeze-dried.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 875/MUM/2002 A (22) Date of filing of Application: 04/10/2002
 (54) Title of the invention: A BUILT PARTICULATE LAUNDRY

<p>(51) International classification: C11D 1/83, 1/06</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0124308.8</p> <p>(32) Date : 10/10/2001</p> <p>(33) Name of convention country : UNITED-KINGDOM</p> <p>(66) Filed U/s. 5(2): NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI – 400 020, MAHARASHTRA, INDIA</p> <p>(72) Name of the Inventors:</p> <p>1) HAFKAMP RUDOLFUS JOHANNES HENDRIKUS 2) MENTING ROB</p>
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(57) Abstract : A built particulate laundry detergent composition containing anionic sulphonate or sulphate surfactant and conventional ethoxylated alcohol nonionic surfactant also contains a low level of a highly ethoxylated alcohol nonionic surfactant having and average degree of ethoxylation of from 15 to 40. The composition exhibits increased mildness to the skin without loss of detergency performance.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 876/MUM/2002 A (22) Date of filing of Application: 04/10/2002

(54) Title of the invention: DETERGENT COMPOSITIONS

(51) International classification: C11D 1/83, 1/06	(71) Name of the Applicant: HINDUSTAN LEVER LIMITED
(30) Priority Data :	Address of the Applicant:
(31) Document No.: 0124307.0	HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI – 400 020. MAHARASHTRA, INDIA
(32) Date : 10/10/2001	
(33) Name of convention country : UNITED-KINGDOM	
(66) Filed U/s. 5(2) : NO.	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	1) HAFKAMP RUDOLFUS JOHANNES HENDRIKUS
(63) Divisional to Application No.: NIL	2) MENTING ROB
(64) Filed on: N.A.	3) WIERENGA ANTJE MINKE

(57) Abstract : A built particulate laundry detergent composition containing anionic sulphonate or sulphate surfactant and conventional ethoxylated alcohol nonionic surfactant also contains a low level of a highly ethoxylated alcohol nonionic surfactant having an average degree of ethoxylation of from 15 to 40, and a low level of a textile softening clay. The composition exhibits increased mildness to the skin without loss of detergency performance, and the softness of washed fabrics is significantly improved despite the low level of softening clay present.

Figure : NIL

Publication After 18 months

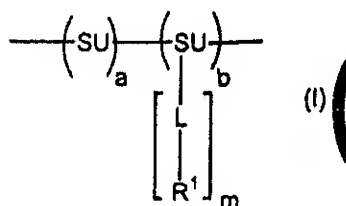
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 877/MUM/2002 A (22) Date of filing of Application: 07/10/2002

(54) Title of the invention: POLYMERS FOR LAUNDRY APPLICATIONS

<p>(51) International classification: C 11 D 3/37, 3/22 C 08 F 251/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0127036.2</p> <p>(32) Date : 09/11/2001</p> <p>(33) Name of convention country : U.K.</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI: 400 020, MAHARASHTRA, INDIA.</p> <p>(72) Name of the Inventors:</p> <p>1. ROGERS SUSANNE HENNING 2. WHITE MICHAEL STEPHEN</p>
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(57) Abstract : The present invention relates to use of a compound for promoting soil release during laundering of a textile fabric, the compound being a polymer having the general formula :-



In which each SU represents a sugar unit in a polysaccharide backbone; a represents the number of unsubstituted sugar units as a percentage of the total number of sugar units and is in the range from 0 to 99.9%, preferably 65 to 99%, more preferably 80 to 99%; b represents the number of substituted sugar units as a percentage of the total number of sugar units and is in the range from 0.1 to 100%, preferably 1 to 35%, more preferably 1 to 20%; m represents the degree of substitution per sugar unit and is from 1 to 3; L represents an ester or ether linkage; and R¹ represents a substituted alkyl group, preferably hydroxyalkyl, carboxyalkyl or sulfoalkyl group or a salt thereof. A method of promoting soil release during laundering of a textile fabric and the use of such polymers in the manufacture of a laundry cleaning composition for effecting soil release from a laundry item from other aspects of the invention.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 878/MUM/2002 A (22) Date of filing of Application: 07/10/2002

(54) Title of the invention: STORAGE BOX ILLUMINATION DEVICE FOR COMPACT VEHICLES

(51) International classification: B 62 J 9/00
B 60 Q 3/02
B 62 J 6/00

(30) Priority Data :

(31) Document No.: 2001-318492

(32) Date : 16/10/2001

(33) Name of convention country : JAPAN

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

HONDA GIKEN KOGYO KABUSHIKI KAISHA

Address of the Applicant:

1-1, MINAMIAOYAMA 2-CHOME,
MINATO-KU, TOKYO, JAPAN,
A CORPORATION OF JAPAN

(72) Name of the Inventors:

1. TSUTOMU TAKEUCHI
2. YUJI ONO
3. TAKAYUKI KAI

(57) Abstract : A storage box illumination device disposed under the seat of a compact vehicle such as motorcycles or the like, and is intended to provide a device for illuminating the interior of the storage box when the seat is opened,



Figure : 16

In an illumination device 59 provided in the storage box 26 to be disposed under the seat 21 of a compact vehicle, an illumination switch 99 for flashing the illumination fixture is provided on the seat closure holding means 70 for holding the seat 21 in the closed state.

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 879/MUM/2002 A	(22) Date of filing of Application: 07/10/2002
(54) Title of the invention: FUEL SUPPLY SYSTEM FOR COMPACT VEHICLES	
(51) International classification: F 02 M 37/00 B 60 K 15/00	(71) Name of the Applicant:
(30) Priority Data :	HONDA GIKEN KOGYO KABUSHIKI KAISHA
(31) Document No.: 2001-318650	Address of the Applicant:
(32) Date : 16/10/2001	1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN, A CORPORATION OF JAPAN
(33) Name of convention country : JAPAN	(72) Name of the Inventors:
(66) Filed U/s, 5(2): NO.	1. YUKIO HOSOYA
(61) Patent of addition to application No.: NIL	2. SHUNJI AKAMATSU
(62) Filed on : N.A.	3. NOBUHIRO SHIMADA
(63) Divisional to Application No.: NIL	4. KENICHI SUEDA
(64) Filed on: N.A.	5. SHOSUKE SUZUKI
	6. KENICHIRO IKEDA

(57) Abstract : In a compact vehicle in which a power unit (6) having an engine (9) with the cylinder portion (9a) inclined toward the front is vertically swingably suspended on the body frame (2) at the position rearwardly of the step floor (12), a rear wheel (3r) is rotatably supported at the rear end portion of the power unit (6) so as to be driven thereby, a luggage box (15) and a passenger seat (16) are disposed upwardly of the power unit (6), and a fuel tank (18) having a fuel port (20) on the top wall (18b) thereof is disposed immediately below the step floor (12);

a fuel supply system for compact vehicles characterized in that a fuel exit cylinder (36) of a fuel supply unit (22) disposed in the fuel tank (18) for supplying fuel to the outside is disposed in the fuel tank (18) at the position forwardly of the fuel port (20), and the fuel exit cylinder (36) and the fuel injection valve (103) of the engine (9) are connected by flexible fuel conduit (107) passing alongside the fuel port (20)

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 880/MUM/2002 A (22) Date of filing of Application: 07/10/2002
- (54) Title of the invention: A NOVEL THREE IN ONE (3 IN 1) RANGOLI DESIGNER RANGOLI DESIGNER DEVICE

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>JEEVAN D. MEHER</p> <p>Address of the Applicant:</p> <p>C-8, SWAPNA SHILP, NEAR GANDHI LAWNS , KOTHRUD, PUNE – 411 038, MAHARASHTRA, INDIA. AN INDIAN NATIONAL</p> <p>Name of the Inventors:</p> <p>(72) JEEVAN D. MEHER</p>

(57) **Abstract :** A novel three in one (3 in 1) rangoli designer device, under which, within a single unit or device three facilities are provided. Within this unit or device there is a provision to facilitate, the drawing of, two or more than two or other desired number of lines of curves at a time, with the use of the bottom nozzles & the bottom nozzle caps, in making or drawing of the non-traditional galicha or five fingers rangoli. Secondly, within this unit or device, there is a provision to facilitate, the drawing of a single line or curve, at a time, with the use of the side nozzle & side nozzle cap, in making or drawing of the traditional rangoli, Lastly, within this unit or device, there is provision to facilitate, the filling of colour, with the help of the filter net, in the rangoli.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 882/MUM/2002 A (22) Date of filing of Application: 07/10/2002

(54) Title of the invention: A GEAR SHIFTING DEVICE FOR A TWO WHEELED VEHICLE

(51) International classification: B60K 020/00

(71) Name of the Applicant:

(30) Priority Data :

BAJAJ AUTO LIMITED

(31) Document No.: NIL

Address of the Applicant:

(32) Date : N.A.

**AKURDI, PUNE 411 035,
MAHARASHTRA, INDIA,
AN INDIAN COMPANY**

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(72) Name of the Inventors:

(63) Divisional to Application No.: 326/BOM/1998

MARATHE SHRIKANT RAGHUNATH

(64) Filed on: 22/05/1998

(57) Abstract : A gear shifting device for a two wheeled vehicle comprising a left hand operated twist grip, a gear control disc (27) operated by said twist grip through control cable means, said gear control disc having a spherical groove on lower surface in which a steel ball (17) and a spring (18) are provided to hold the said gear control disc in position corresponding to desired driving gear position, said gear control disc through lever means being capable of moving forward and backward gear shifter pin (9) wherein a cross (9A) is adapted at the end of said gear shifter pin (9) for transmitting the rotary motion of one of the 4 speed gears depending upon the position of gear control disc, on to the said main shaft, (14) and further to wheel to achieve forward motion.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 883/MUM/2002 A (22) Date of filing of Application: 07/10/2002

(54) Title of the invention: A PROCESS FOR THE PREPARATION OF A COMPOUND OF FORMULA I

(51) International classification: C 07 D 231/24
231/16

(30) Priority Data :

(31) Document No.: 1) 9924042.6 2) 0018667.6

(32) Date : 1) 11/10/1999 2) 28/07/2000

(33) Name of convention country : UNITED KINGDOM

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: 902/MUM/2000

(64) Filed on: 06/10/2000

(71) Name of the Applicant:

PFIZER INC.

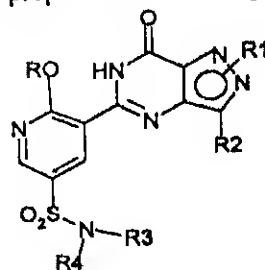
Address of the Applicant:

235 EAST, 42ND STREET,
NEW YORK, NEW YORK 10017,
UNITED STATES OF AMERICA

(72) Name of the Inventors :

1. KEITH MICHAEL DEVRIES
2. PHILIP CHARLES LEVETT
3. JOANNA TERSA NEGRI
4. ALBERT SHAW WOOD

(57) Abstract : A process for the preparation of a compound of formula (I)



(I)

Wherein

R is C₁ to C₆ alkyl optionally substituted with one or two substituents selected from C₃ to C₅ cycloalkyl, OH, C₁ to C₄ alkoxy, benzyloxy, NR⁵R⁶, phenyl, furanyl and pyridinyl; C₃ to C₆ cycloalkyl; 1- (C₁-C₄ alkyl) piperidinyl; tetrahydrofuranyl or tetrahydropyranyl and wherein said C₁ to C₆ alkyl or said C₁ to C₄ alkoxy groups are optionally substituted by haloalkyl;

R^1 (which can be linked to either nitrogen of the pyrazole ring) is C_1 to C_3 alkyl, optionally substituted with phenyl, Het or a N linked heterocyclic group selected from piperidinyl and morpholinyl and wherein said phenyl group is optionally substituted by : C_1 to C_4 alkyl which is optionally substituted by haloalkyl or haloalkoxy; or C_1 to C_4 alkoxy; or halo or CN;

R^2 is C_1 to C_6 alkyl;

and Het is a C-linked 6-membered heterocyclic group containing one or two nitrogen atoms, optionally in the form of its mono-N-oxide, or a C-linked 5-membered heterocyclic group containing two or three nitrogen atoms, wherein either of said heterocyclic group is optionally substituted with C_1 to C_4 alkyl or C_1 to C_4 alkoxy or NHR^7 wherein R^7 is H, C_1 to C_4 alkyl or C_1 to C_4 alkanoyl;

R^3 and R^4 together with the nitrogen atom to which they are attached, form a 4- R^8 -piperazinyl group optionally substituted with one or two C_1 to C_4 alkyl groups and optionally in the form of its 4-N-oxide;

R^5 and R^6 are each independently selected from H and C_1 to C_4 alkyl optionally substituted with C_3 to C_5 cycloalkyl or C_1 to C_4 alkoxy, or, together with the nitrogen atom to which they are attached, form an azetidiny, pyrrolidinyl, piperidinyl or morpholinyl group;

R^8 is H; C_1 to C_4 alkyl optionally substituted with one or two substituents selected from OH, NR^5R^6 , $CONR^5R^6$, phenyl optionally substituted with C_1 to C_4 alkoxy, benzodioxolyl and benzodioxanyl; C_3 to C_6 alkenyl; pyridinyl or pyrimidinyl;

Said process comprising reacting a compound of Formula III in the presence of $-OR$ and a hydroxide trapping agent wherein X is a leaving group and R^1 to R^4 are as defined above.

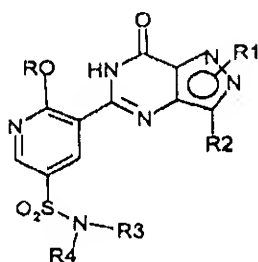
Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 884/MUM/2002	A	(22) Date of filing of Application: 07/10/2002
(54) Title of the invention: A PROCESS OR THE PREPARATION OF A COMPOUND OF FORMULA I.		
(51) International classification: C 07 D 231/24 231/16	(71) Name of the Applicant:	
(30) Priority Data :	PFIZER INC.	
(31) Document No.: 1) 9924042.6 2) 0018667.6	Address of the Applicant:	
(32) Date : 1) 11/10/1999 2) 28/07/2000	235 EAST, 42 ND STREET, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA	
(33) Name of convention country : UNITED KINGDOM	(72) Name of the Inventors :	
(66) Filed U/s. 5(2) : NO.	1. KEITH MICHAEL DEVRIES	
(61) Patent of addition to application No.: NIL	2. PHILIP CHARLES LEVETT	
(62) Filed on : N.A.	3. JOANNA TERSA NEGRI	
(63) Divisional to Application No.: 902/MUM/2000	4. ALBERT SHAW WOOD	
(64) Filed on: 06/10/2000		

(57) Abstract : A process for the preparation of pyrazolo [4, 3-d] pyrimidin -7-ones-3-pyridylsulphonyl compound of formula (1)



(I)

Wherein

R is C₁ to C₆ alkyl optionally substituted with one or two substituents selected from C₃ to C₅ cycloalkyl, O-1, C₁ to C₄ alkoxy, benzyloxy, NR⁵R⁶, phenyl, furanyl and pyridinyl; C₃ to C₆ cycloalkyl; 1- (C₁-C₄ alkyl) piperidinyl; tetrahydrofuranyl or tetrahydropyranyl and wherein said C₁ to C₆ alkyl or said C₁ to C₄ alkoxy groups are optionally substituted by haloalkyl;

R^1 (which can be linked to either nitrogen of the pyrazole ring) is C_1 to C_3 alkyl, optionally substituted with phenyl, Het or a N linked heterocyclic group selected from piperidinyl and morpholinyl and wherein said phenyl group is optionally substituted by : C_1 to C_4 alkyl which is optionally substituted by haloalkyl or haloalkoxy; or C_1 to C_4 alkoxy; or halo or CN;

R^2 is C_1 to C_6 alkyl;

and Het is a C-linked 6-membered heterocyclic group containing one or two nitrogen atoms, optionally in the form of its mono-N-oxide, or a C-linked 5-membered heterocyclic group containing two or three nitrogen atoms, wherein either of said heterocyclic group is optionally substituted with C_1 to C_4 alkyl or C_1 to C_4 alkoxy or NHR^7 wherein R^7 is H, C_1 to C_4 alkyl or C_1 to C_4 alkanoyl;

R^3 and R^4 together with the nitrogen atom to which they are attached, form a 4- R^8 -piperazinyl group optionally substituted with one or two C_1 to C_4 alkyl groups and optionally in the form of its 4-N-oxide;

R^5 and R^6 are each independently selected from H and C_1 to C_4 alkyl optionally substituted with C_3 to C_5 cycloalkyl or C_1 to C_4 alkoxy, or, together with the nitrogen atom to which they are attached, form an azetidiny, pyrrolidinyl, piperidinyl or morpholinyl group;

R^8 is H, C_1 to C_4 alkyl optionally substituted with one or two substituents selected from OH, NR^5R^6 , $C(ONR^5R^6)$, phenyl optionally substituted with C_1 to C_4 alkoxy, benzodioxolyl and benzodioxanyl; C_3 to C_6 alkenyl; pyridinyl or pyrimidinyl;

Said process comprising reacting a compound of Formula IV in the presence of $-OR$ and a hydroxide trapping agent or reacting in the presence of an auxiliary base and a hydroxide trapping agent (i.e. OR is substituted by the auxiliary base) wherein X is a leaving group and R^1 to R^4 are as defined above.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 885/MUM/2002 A (22) Date of filing of Application: 07/10/2002

(54) Title of the invention: PROCESSES FOR PRODUCING TRIARYL PHOSPHITE

<p>(51) International classification: C07F 9/12</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : NIL</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: NIL</p>	<p>(71) Name of the Applicant:</p> <p>STRIDES ARCOLAB LTD.</p> <p>Address of the Applicant:</p> <p>201, DEVAVRATA, SECTOR 17, VASHI, NAVI MUMBAI – 400 703, INDIA</p> <p>(72) Name of the Inventors :</p> <p>1) AKBARALI P.M. 2) VIJAY RAJ K.K 3) T.GOUDA KARABASANA 4) RADHAKRISHNAN RAMCHANDRAN</p>
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(57) Abstract : A one pot process for the preparation of sterically hindered triaryl phosphite is provided. It is suitable for large scale commercial production with an advantage of having carried out the reaction at 0-5°C in a shortest time of 1 hr using pyridine as lewis base to remove HCl formed in the reaction: thus avoiding the usage of scrubber. The triaryl phosphite is of the formula $P(OR)_3$ and is produced by reacting a di alkyl -substituted phenol of formula ROH with phosphorus trihalide in presence of a lewis base, wherein R represents an aryl compound of a formula $C_6H_3R_aR_b$, wherein R_a is tertiary alkyl, R_b is lower alkyl or tertiary alkyl. The process preferably comprises of mixing a stoichiometric amount of 2,4-dialkyl phenol with phosphorous trihalide in methylene chloride with different stoichiometric amounts of pyridine such as molar equivalent, 10 mol%, 20 mol% and 50 mol% more w.r.t. 2,4 dialkyl phenol. The reaction is preferably carried out at 0-5°C and takes only 1 hr for the completion, followed by a precipitation out of isopropanol.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 886/MUM/2002	A (22) Date of filing of Application: 08/10/2002
(54) Title of the invention: A MOTOR OPERATOR WITH STORED ENERGY FEATURE FOR A MOULDED CASE CIRCUIT BREAKER (MCCB).	
(51) International classification: H01H 3/38 H01H 5/00 (30) Priority Data : (31) Document No.: NIL (32) Date : N.A. (33) Name of convention country : NIL (66) Filed U/s. 5(2) : NO. (61) Patent of addition to application No.: NIL (62) Filed on : N.A. (63) Divisional to Application No.: NIL (64) Filed on: N.A.	(71) Name of the Applicant: LARSEN & TOUBRO LIMITED Address of the Applicant: L & T HOUSE, BALLARD ESTATE, MUMBAI : 400 001, MAHARASHTRA STATE, INDIA, AN INDIAN COMPANY (72) Name of the Inventors : 1. ALLADI JAGANNATH

(57) Abstract : An improved motor operator assembly with stored energy feature for a moulded case circuit breaker comprising a motor, a system of gears being activated by the said motor, plurality of cranks mechanically coupled to cams and held in position by means of a system of roller latches, the said system of gears rotates the said cranks, plurality of springs of which one set of plurality of springs being connected to one crank for closing operation and one set of plurality of springs being connected to the other crank for opening operation, the said springs being held by a crank pin and a spring anchoring pin, the said springs getting charged due to the rotation of the said cranks, the supply to the motor being cut off by the said cam when the said cam when the said springs are fully charged, the said springs, being discharged on delatching of the said roller latches. two sliders connected to the said cranks for closing and opening operations, the said cranks rotate due to the energy released upon delatching of roller latches and in turn move the respective slider for closing or opening operations and the said slider subsequently operates the MCCB knob.

Figure : Nil

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 887/MUM/2002 A (22) Date of filing of Application: 08/10/2002

(54) Title of the invention: RELATING TO TONGS

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <ol style="list-style-type: none"> 1. RAMESH KUMAR JAIN 2. ASHOK JAIN 3. BASTIMAL JAIN <p>Address of the Applicant:</p> <p>1) C/503, ASHA NAGAR, OFF. P.K. ROAD, MINERVA IND. ESTATE, MULUND (WEST), MUMBAI : 400 080, MAHARASHTRA, INDIA, INDIAN</p> <p>(72) 2) AZAD COLONY, OPP. COURT, AT&P.O.BALI, PIN.306701, RAJASTHAN, INDIA, INDIAN</p> <p>Name of the Inventors :</p> <ol style="list-style-type: none"> 1. RAMESH KUMAR JAIN 2. ASHOK JAIN 3. BASTIMAL JAIN
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(57) **Abstract :** This invention relates to tongs for grasping and holding utensils such as cooking utensils having a bent edge outwardly, such tongs being of that kind comprising an upper arm and a lower arm provided with curved gripping faces at their outer ends and hinged together at their inner ends by a pin joint in combination with a spring acting upon the two arms to move them apart into an open position, a locking device to lock the said arms in closed position to grip and hold the utensil firmly, the arrangement being such that during open position of the tongs, the utensil is held in between the two arms and than closing the tongs by pressing the upper arm downwardly to grip the utensil, the locking member is than pushed forward to lock the tongs in closed position to grip and hold the utensil firmly even freeing the hand holding the tongs.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 888/MUM/2002 A (22) Date of filing of Application: 09/10/2002

(54) Title of the invention: DRY POWDER INHALER

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SUN PHARMACEUTICAL INDUSTRIES LTD.</p> <p>Address of the Applicant:</p> <p>ACME PLAZA, ANDHERI-KURLA ROAD, ANDHERI (E), MUMBAI - 400 059, MAHARASHTRA, INDIA AN INDIAN COMPANY</p> <p>(72) Name of the Inventors :</p> <p>1. DUDHARA KAMLESH MOHANLAL 2. DR. SUBHAS BALARAM BHOWMICK 3. GANORKAR KIRTI WARDHAMAN</p>
<p>(57) Abstract : A dry powder inhaler comprising</p>	

- (a) a housing
- (b) a carrier mounted in the housing, adapted to receive a rotatable support disk
- (c) a rotatable support disk adapted to receive a blister pack containing powder medicament
- (d) a blister pack
- (e) a plunger to rupture a blister container registered there
- (f) at least one chamber to receive the powder medicament
- (g) an air inlet hole on the top of the housing
- (h) an air pathway extending from the chamber through the mouthpiece to the air outlet hole.

wherein said dry powder inhaler design is optimized by providing on the rotatable support disk and the blister pack, a means for proper alignment of the blister pack in relation to the support disk and/or by providing on the mouthpiece, secondary air inlet holes suitably located and dimensioned.

Thus, the design of the dry powder inhaler of the invention may be optimized such that optimum performance of the inhaler is achieved in relation to pulmonary delivery of a specific medicament having specific physiochemical character to the average patient population or to a specific patient population by providing the means for proper alignment of the support disk and blister pack and by suitable design and dimensions of the secondary air inlet holes in the mouthpiece.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 889/MUM/2002 A (22) Date of filing of Application: 10/10/2002

(54) Title of the invention: VIRTUAL NETWORK WITH ADAPTIVE DISPATCHER

<p>(51) International classification: G 06 F 13/00 H 04 L 29/06</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 60/329, 796 2) 60/346, 370. 3) 09/993, 656</p> <p>(32) Date : 1) 16/10/2001 2) 19/10/2001 3) 27/11/2001</p> <p>(33) Name of convention country : USA.</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>MICROSOFT CORPORATION</p> <p>Address of the Applicant:</p> <p>ONE MICROSOFT WAY, REDMOND, WASHINGTON 98052, UNITED STATES OF AMERICA</p> <p>(72) Name of the Inventors:</p> <ol style="list-style-type: none"> 1. LUIS FELIPE CABRERA 2. ERIK B. CHRISTENSEN 3. GIOVANNI M. DELLALIBERA 4. CHRISTOPHER G. KALER 5. DAVID E. LEVIN 6. BRADFORD H. LOVERING 7. STEVEN E. LUCCO 8. STEPHEN J. MILLET 9. JOHN P. SHEWCHUK 10. ROBERT S. WAHBE 11. DAVID A. WORTENDYKE
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(57) **Abstract :** Methods and systems for providing a virtual network are disclosed. At least one layer of abstraction is created between network service applications and conventional network protocols by inserting an adaptive dispatcher between applications and network transport services on each machine in a network. The message protocol in the virtual network is extensible, allowing application programs to create new headers within any message as needed. The adaptive dispatcher contains handlers that route and dispatch messages within the virtual network based on arbitrary content within each message, including any combination of headers and/or data content. Each device on the virtual network has a virtual address to which messages are directed, allowing devices to move within the network without reconfiguring routing tables. Handlers may automatically be created when an event meeting predefined criteria occurs, including the non occurrence of a condition, making the virtual network self-healing and adaptive to reconfiguration.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 890/MUM/2002 A	(22) Date of filing of Application: 10/10/2002
Title of the invention: A PROCESS FOR THE MANUFACTURE OF CATALYST SUPPORT BY IN-SITU FORMATION OF SHELL TYPE REFRACTORY OXIDE ON A SPHERICAL INERT INORGANIC OXIDE SURFACE.	
<p>(23) International classification: H 01 J 32/00, B 01 J 35/08, B 01 J 37/025</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2): NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>INDIAN PETROCHEMICALS CORPORATION LIMITED</p> <p>Address of the Applicant:</p> <p>P.O. PETROCHEMICALS, DISTRICT VADODARA 391 346, GUJARAT, INDIA,</p> <p>(72) Name of the Inventors:</p> <p>1. SREENIVASA RAO GAJULA 2. RAJESHWAR DONGARA 3. KRISHNAMURTHY KONDA RAMASWAMY</p>

(57) Abstract : The present invention relates to a spherical catalyst support consisting of a thin annular shell of catalytically active material in gamma alumina formed *in-situ* on and bonded to a non-active inert core. The catalytic support is prepared by wetting an inert non-active core with colloidal aluminum sol, spraying a bohemite/pseudo bohemite powder along with a powder of water soluble polymer binder on said colloidal aluminum sol wetted inert core to form a coating thereon neutralising the coated core, and calcining the coated core to convert the bohemite/Pseudo bohemite into gamma alumina thereby forming a bond between the thin annular shell of preformed catalytically active material in gamma alumina and the inert, non-active core.

Figure : **NIL**

Publication After 18 months

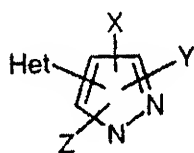
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 891/MUM/2002 A (22) Date of filing of Application: 11/10/2002

(54) Title of the invention: PYRAZOLYL SUBSTITUTED HETEROCYCLES

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	BAYER CROPSCIENCE AG
(31) Document No.: 101 52005.0	Address of the Applicant:
(32) Date : 22/10/2001	ALFRED-NOBEL-STR. 50, 40789 MONHEIM, GERMANY
(33) Name of convention country : GERMANY	
(66) Filed U/s. 5(2) : YES	(72) Name of the Inventors:
(61) Patent of addition to application No.: NIL	1. REINER FISCHER
(62) Filed on : N.A.	2. ASTRID ULLMANN
(63) Divisional to Application No.: NIL	3. THOMAS BRETSCHNEIDER
(64) Filed on: N.A.	4. AXEL TRAUTWEIN
	5. RALF WISCHNAT
	6. CHRISTOPH ERDELEN
	7. DIETER FEUCHT
	8. MARK WILHELM DREWES

(57) Abstract : The present invention relates to novel pyrazolyl-substituted heterocycles of the formula (I)



(I)

in which

X, Y, Z and Het are as defined in the description, to a plurality of process for their preparation and to their use as pesticides and herbicides

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 892/MUM/2002 A (22) Date of filing of Application: 11/10/2002

(54) Title of the invention: **DIAMOND DUST COLLECTOR**

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>MAKARAND R. CHITNIS</p> <p>Address of the Applicant:</p> <p>C/O. AMIT V. KHARKAR, 103, GAUTAM VILLA, GHANTALI DEVI PATH, NAUPADA, THANE (W)- 400 602, MAHARASHTRA STATE, INDIA,</p> <p>(72) Name of the Inventors:</p> <p>MAKARAND R. CHITNIS</p>
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(57) **Abstract :** Precious diamond dust is invariably produced in all the diamond processing and manufacturing units and that in absence of any apparatus of machinery to collect the said dust it goes waste. The diamond dust collector is a unique apparatus which collects the diamond dust along with the accidentally broken particles in the process of faceting the diamonds. The objects of the diamond dust collector is achieved by trapping the high speed particles of diamonds by reducing thier speed by inducing eddies at the Z screen. This assembly/apparatus helps to recover the diamond particles which other wise go waste. Such dust collected by the Diamond Dust Collector can be reused for industrial and other purposes.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 893/MUM/2002 A (22) Date of filing of Application: 11/10/2002
Post Dated to 11/04/2003 U/s. 17 (1)

(54) Title of the invention: BIODEGRADABLE COMBI-MATERIALS AND PROCESS OF MANUFACTURE

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	ARROW COATED PRODUCTS LTD.
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	5 D LAXMI INDUSTRIAL ESTATE, NEW LINK ROAD, ANDHERI WEST, MUMBAI – 400 053, STATE OF MAHARASHTRA, INDIA, AN INDIAN COMPANY
(33) Name of convention country : NIL	(72) Name of the Inventors:
(66) Filed U/s. 5(2) : NO.	SHILPAN PRAVIN PATEL
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : NIL

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 894/MUM/2002 A (22) Date of filing of Application: 11/10/2002
Post Dated to 11/04/2003 U/s. 17

(54) Title of the invention: NOVEL SUBSTRATES AND PROCESS FOR DIRECT PRINTING

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	ARROW COATED PRODUCTS LTD.
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	5 D LAXMI INDUSTRIAL ESTATE, NEW LINK ROAD, ANDHERI WEST, MUMBAI – 400 053, STATE OF MAHARASHTRA, INDIA, AN INDIAN COMPANY
(33) Name of convention country : NIL	
(66) Filed U/s. 5(2) : NO.	
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	(72) Name of the Inventors:
(63) Divisional to Application No.: NIL	SHILPAN PRAVIN PATEL
(64) Filed on: N.A.	

(57) Abstract : Substrate for ink jet printing with hydrophobic solvent based inks comprising a meshed member laminated with a water soluble film on one side thereof, the ink jet printing with hydrophobic solvent based ink being carried out on the opposite unlaminated side of the meshed member.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 895/MUM/2002 A (22) Date of filing of Application: 14/10/2002

(54) Title of the invention: TOOTH BRUSH WITH TIMER

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	TAMKAR KIRAN RAMAKANT
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	MUMBAI INHABITANT RESIDING AT
(33) Name of convention country : NIL	32, VINOD VILLA,
(66) Filed U/s. 5(2) : NO.	WORLI HILL ROAD, WORLI,
(61) Patent of addition to application No.: NIL	MUMBAI -400 018
(62) Filed on : N.A.	MAHARASHTRA, INDIA
(63) Divisional to Application No.: NIL	(72) Name of the Inventors:
(64) Filed on: N.A.	TEMKAR KIRAN RAMAKANT

(57) Abstract : The tooth bursh has an electronic timer embedded in it so when the user starts brushing the timer starts down counting and when time finishes the LED will blink or buzzer will create the music so the user can understand that the tooth brushing time is over. The timer uses button cells for powering it. Time can be set between ½ minutes to 15 minutes according to users wish or necessity.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 896/MUM/2002 A (22) Date of filing of Application: 14/10/2002

(54) Title of the invention: THIN HYDROCARBON VAPOUR RECOVERY PLANT

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	THE BOMBAY TEXTILE RESEARCH ASSOCIATION
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	LAL BAHADUR SHASTRI MARG, GHATKOPAR (WEST), MUMBAI : 400 086, MAHARASHTRA, INDIA
(33) Name of convention country : NIL	(72) Name of the Inventors:
(66) Filed U/s. 5(2) : NO.	1. SHRI JOSEPH ZACHARIA
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : A thin hydrocarbon vapour recovery system/ plant comprising of a recovery column provided inside with a plurality of baffle plates in one or more number of rows, a spray nozzle provided inside the said recovery column below the baffle plates, a dimeter pad provided above the said baffle plate, heat exchanger with cooling tower connected to the said recovery column for circulating and spraying cold water to be sprayed inside the recovery column to the spray nozzles, the said recovery column being provided with a chimney at its top and a water column at its bottom, a setting tank provided below the said recovery column, an auto vapour delivery system comprising of hydrocarbon vapour sensor connected to a transmitter and to a variable speed drive with inbuilt proportional integral derivative control (PID) for giving PID signals to an exhaust motor/ blower, provided inside the exhaust duct of the printing machine dryer for enriching the thin/ dilute hydrocarbon vapour, a header connected to the exhaust duct which in turn is connected to the recovery column for feeding the enriched hydrocarbon vapour from the printing machine dryer to the recovery column and a plant control panel provided for incorporating control wiring of the said auto vapour delivery system.

Figure : NIL.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 897/MUM/2002 A (22) Date of filing of Application: 14/10/2002

(54) Title of the invention: A DEVICE TO MONITOR LEVEL OF TOXIC GASES IN THE AIR

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	DR. ARUN ANANT KULKARNI
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	3/106, AMAR JYOTI SOCIETY, NAUPADA, THANE – 400 602, MAHARASHTRA, INDIA, INIDAN NATIONAL
(33) Name of convention country : NIL	
(66) Filed U/s. 5(2) : NO.	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	DR. ARUN ANANT KULKARNI
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : A device to quantify toxic level in the air in a works place comprising a Electro-mechanical equipment having a pneumatic system (1) which sucks air of the works place through an air inlet (2) for sensing temperature and humidity through electronic sensor (3) to register and display in situ temperature (4) and humidity (5). The air flows through a flow meter (6) for adjusting and dissipating the air flow at a definite velocity through a mass transfer system (7) having an enclosed chamber (9) provided with water column (10), perforated, blank and angular plates (11) staggered so that the air is sparged through the water so as to obtain complete dissolution of the gas into water which is taken in the sampler (12) for quantification of the toxic gases which is online connected with or without micro processing units (14) with printer (15)

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 898/MUM/2002 A (22) Date of filing of Application: 14/10/2002

(54) Title of the invention: AN ECO-FRIENDLY PAPER CASSETTE PACKING

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	DOSHI SIDDHARTH BHUPATRAI
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	NISHANT, 6, PODAR ROAD,
(33) Name of convention country : NIL	SANTACRUZ -WEST,
(66) Filed U/s. 5(2) : NO.	MUMBAI : 400 054,
(61) Patent of addition to application No.: NIL	MAHARASHTRA, INDIA:
(62) Filed on : N.A.	(72) Name of the Inventors:
(63) Divisional to Application No.: NIL	DOSHI SIDDHARTH BHUPATRAI
(64) Filed on: N.A.	

(57) **Abstract :** An Eco-Friendly Paper Cassette Packing made out of a single sheet of paper. The single sheet of paper is die cut. Further, the single sheet of paper divided into three main regions, four extended regions and several folds. These regions and the extended regions are folded at their respective folds and glued at respective places. An Eco-Friendly Paper Cassette Packing has a specially designed central locking button having the elevations in which the cassette to fix securely. An Eco-Friendly Paper Cassette Packing is 100% eco-friendly, i.e. made up of the recyclable paper. This will provide a viable alternative to the plastic packs prevalent these days. These Eco-Friendly Paper Cassette Packings are easy to manufacture, thus, cuts down the cost of the product and are very convenient to carry. The current Packing affords the flexibility to the packer to use its entire area for inlay presentation, which is otherwise required to be inserted separately in plastic packing

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

(21) Application No.: 900/MUM/2002 A (22) Date of filing of Application: 14/10/2002

(54) Title of the invention: A CRYSTALLINE FOSINOPRIL SODIUM INTERMEDIATE

(51) International classification:

(30) Priority Data :

(31) Document No.: NIL

(32) Date : N.A.

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : YES.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: 411/MUM/2002

(64) Filed on: 30/04/2001

(71) Name of the Applicant:

LUPIN LABORATORIES LIMITED

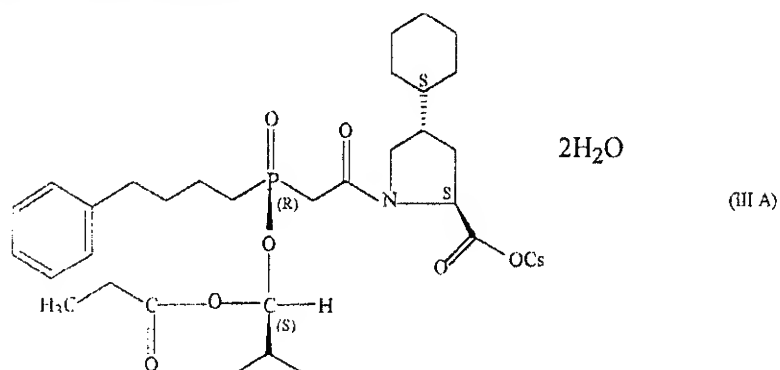
Address of the Applicant:

**159 CST ROAD, KALINA,
SANTACRUZ (EAST),
MUMBAI – 400 098,
INDIA**

(72) Name of the Inventors:

**1) DUBEY SUSHIL KUMAAR
2) LAHIRI SASWATA
3) SINGH ANIL VIR**

(57) Abstract : The present invention discloses a crystalline fosinopril sodium intermediate having the following formula (III A)



The intermediate of formula (III A) shows a unique X-ray (powder) diffraction pattern.

Figure : NIL

Publication After 18 months

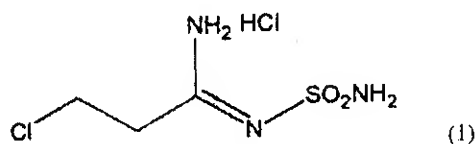
The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

(21) Application No.: 901/MUM/2002 A (22) Date of filing of Application: 16/10/2002

(54) Title of the invention: A PROCESS FOR THE PREPARATION OF N-SULFAMYL-3-CHLOROPROANIMIDAMINE HYDROCHLORIDE

(51) International classification: C07C 277/04	(71) Name of the Applicant:
(30) Priority Data :	TONIRA PHARMA LIMITED
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	301, YOGI COMPLEX, 44, SAMPATRAO COLONY, ALKAPURI, VADODARA-390 003,
(33) Name of convention country : NIL	GUJARAT, INDIA,
(66) Filed U/s. 5(2): NO.	AN INDIAN COMPANY.
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	1. DR. MANDAYAM CHAKRAVARTHY SRIRAMAN
(63) Divisional to Application No.: NIL	2. DR. JIGNESH HARIKESH VYAS
(64) Filed on: N.A.	3. JANARDHAN PRASAD SANYAL
	4. MAHESH NATWARLAL SHAH
	5. DR. YOGESH TALI

(57) Abstract : A process for the preparation of N-Sulfamyl-3-Chloropropanimidamine Hydrochloride having Formula (1) :



comprising the following steps:

- adding sulfamide into Acrylonitrile under stirring;
- adding peroxide catalyst into the mixture of step (a) and stirring the mixture at room temperature;
- passing hydrogen chloride gas through the mixture of step (b) at room temperature;
- heating the mixture from 50 C to 65 C, preferably 55 to 60 C maintaining for 4 to 6 hours, preferably hours;
- degassing the excess HCL gas for 2 to 5 hours, preferably 3 to 4 hours;
- filtering out the crystals of N-Sulfamyl-3-Chloropropanimidamine Hydrochloride and drying the said crystals of 3-Chloropropionitrile in an oven at 50 o 60 C, preferably 55 to 60 C.

Figure : NIL

Publication After 18 months

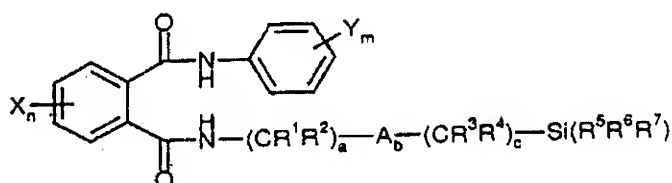
The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

(21) Application No.: 902/MUM/2002 A (22) Date of filing of Application: 16/10/2002

(54) Title of the invention: PHTHALAMIDES

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 10105169.7 & 10115406.2</p> <p>(32) Date : 06/02/2001 & 29/03/2001</p> <p>(33) Name of convention country : GERMANY</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: 35/MUM/2002</p> <p>(64) Filed on: 15/01/2002</p>	<p>(71) Name of the Applicant:</p> <p>BAYER AKTIENGESELLSCHAFT</p> <p>Address of the Applicant:</p> <p>D-51368, LEVERKUSEN, GERMANY A GERMAN COMPANY</p> <p>(72) Name of the Inventors :</p> <p>1. THOMAS BRETSCHNEIDER 2. CHRISTOPH ERDELEN</p>
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(57) Abstract : Phthalamides of the formula (I)



(I)

in which

X and Y independently of one another represent hydrogen, halogen, cyano, nitro, alkyl, halogenoalkyl, alkoxy, halogenoalkoxy, cycloalkyl, halogenocycloalkyl, cycoalkyloxy, halogenocycloalkyloxy, -S(O)_d-alkyl, -S(O)_d-halogenoalkyl or represent in each case optionally substituted phenyl, Phenoxy, heteroaryl or heteroaryloxy,

n represents 1, 2, 3 or 4

m represents 1, 2, 3, 4 or 5

R¹, R², R³ and R⁴ independently of one another represent hydrogen, alkyl, halogenoalkyl or cycloalkyl,

R⁵, R⁶ and R⁷ independently of one another represent alkyl or alkoxy,

A represent -S(O)_d- or oxygen,

a represents 1, 2, 3, or 4 with the proviso that the repeat unit -CR¹R²- may have identical or different meanings if a represents 2, 3, or 4

b represents 0 or 1

c represent 0, 1, 2, 3, or 4, with the proviso that the repeat unit -CR³R⁴ may have identical or different meanings if c represent 2, 3, or 4

d represent 0, 1 or 2

Figure : NIL

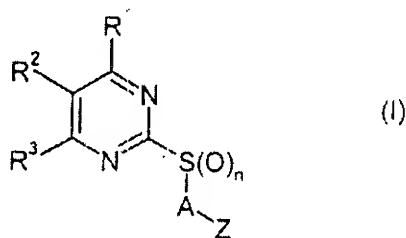
Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 903/MUM/2002 A (22) Date of filing of Application: 17/10/2002
 (54) Title of the invention: SUBSTITUTED PYRIMIDINES

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 10154075.2</p> <p>(32) Date : 02/11/2001</p> <p>(33) Name of convention country : GERMANY</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>BAYER AKTIENGESELLSCHAFT</p> <p>Address of the Applicant:</p> <p>D-51368, LEVERKUSEN, GERMANY A GERMAN COMPANY</p> <p>(72) Name of the Inventors :</p> <ol style="list-style-type: none"> 1. ERNST-RUDOLF GESING 2. MARK WILHELM DREWES 3. PETER DAHMEN 4. DIETER FEUCHT 5. ROLF PONTZEN
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(57) Abstract : The invention relates to substituted pyrimidines of the general formula (I)



in which n, R¹, R², R³ and Z are as defined in the description, to their use as crop treatment agents, in particular as herbicides, and to process for their preparation.

Figure : NIL

Publication After 18 months

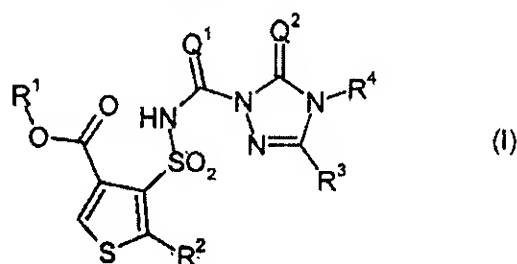
The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

(21) Application No.: 904/MUM/2002 A (22) Date of filing of Application: 17/10/2002

(54) Title of the invention: SUBSTITUTED THIENE-3-YLSULPHONYLAMINO[THIO] CARBONYLTRIAZOLIN[ETHI] ONES.

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	BAYER AKTIENGESELLSCHAFT
(31) Document No.: 10154074.4	Address of the Applicant:
(32) Date : 02/11/2001	D-51368, LEVERKUSEN, GERMANY
(33) Name of convention country : GERMANY	A GERMAN COMPANY
(66) Filed U/s. 5(2) : YES	(72) Name of the Inventors :
(61) Patent of addition to application No.: NIL	1. ERNST-RUDOLF GESING
(62) Filed on : N.A.	2. MARK WILHELM DREWES
(63) Divisional to Application No.: NIL	3. PETER DAHMEN
(64) Filed on: N.A.	4. DIETER FEUCHT
	5. ROLF PONTZEN

(57) Abstract : The invention relates to novel substituted thiene-3-ylsulphonylamino (thio) carbonyl- triazolin (ethi) ones of the general formula (I)



in which

Q^1 , Q^2 , R^1 , R^2 , R^3 and R^4 are as defined in the description, except for prior-art compounds. The invention also relates to the preparation of the compounds, to their use as herbicides and to herbicidal compositions comprising the novel compounds.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 905/MUM/2002 A (22) Date of filing of Application: 17/10/2002

(54) Title of the invention: DITERGENT COMPOSITIONS

(51) International classification: C11D 3/00, 3/10,
17/06, 3/04

(30) Priority Data :

(31) Document No.: 015215.4

(32) Date : 19/10/2001

(33) Name of convention country : UNITED-
KINGDOM

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

HINDUSTAN LEVER LIMITED

Address of the Applicant:

HINDUSTAN LEVER HOUSE, 165/166,
BACKBAY RECLAMATION, MUMBAI
-400 020. MAHARASHTRA, INDIA

(72) Name of the Inventors :

- 1) DONTULA PRASANNA RAO
- 2) PARRY ALYN JAMES
- 3) POWELL CATHERINE MARIA
- 4) ROBINSON KAREN
- 5) SCHOKKER WIEBE

(57) Abstract : A particulate laundry detergent composition with improved dispensing properties which comprise, as separate particulate components at least 10 wt% granular detergent base powder comprising surfactant and builder and having a bulk density of at least 0.5 kg/l, preferably at least 0.6 kg/l; and no more than 10 wt% particulate potassium carbonate,

Wherein the potassium carbonate has a size/density index (SD) of no more than 400, preferably no more than 300, more preferably no more than 200, desirably no more than 100 and especially no more than 75, wherein $SD = \text{bulk density (kg/l)} \times d_{50} \text{ particle size (microns)}$. The potassium carbonate preferably has a d_{50} particle size of less than 300 microns, preferably less than 200 microns.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 906/MUM/2002 A (22) Date of filing of Application: 17/10/2002

(54) Title of the invention: A PARTICULATE LAUNDRY DETERGENT COMPOSITION

<p>(51) International classification: C11D 1/04 C11D3/04, 3/20</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0125212.1</p> <p>(32) Date : 19/10/2001</p> <p>(33) Name of convention country : UNITED-KINGDOM</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>HINDUSTAM LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI – 400 020, MAHARASHTRA, INDIA</p> <p>(72) Name of the Inventors :</p> <ol style="list-style-type: none"> 1) DONTULA PRASANNA RAO 2) PARRY ALYN JAMES 3) POWELL CATHERINE MARIA 4) ROBINSON KAREN 5) SCHOKKER WIEBE 6) VERSCHELLING GILBERT MARTIN 7) VAN DER WEG PIETER BROER

(57) Abstract : A particulate laundry detergent composition which comprises a detergent base powder comprising surfactant and builder and, as separate particulate components:

- (a) from 1 to 10 wt% of an alkali metal carbonate salt selected from carbonate, bicarbonate, sesquicarbonate and combinations thereof; and
- (b) from 0.5 to 10 wt% of a water-soluble organic acid which, when reacted with (a) in the presence of water, generates carbon dioxide gas;

wherein the alkali metal carbonate salt, when taken separately, has a 90% dissolution time of less than 15 seconds; and the water-soluble organic acid has a d_{50} particle size which is in the range of from 150 to 1500 microns.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

- (21) Application No.: 907/MUM/2002 A (22) Date of filing of Application: 17/10/2002
- (54) Title of the invention: DETERGENT COMPOSITIONS

<p>(51) International classification: C11D 3/00, 3/10, 17/06</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0125211.3</p> <p>(32) Date : 19/10/2001</p> <p>(33) Name of convention country : UNITED-KINGDOM</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>HINDUSTAM LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI – 400 020, MAHARASHTRA, INDIA</p> <p>(72) Name of the Inventors :</p> <ol style="list-style-type: none"> 1) DONTULA PRASANNA RAO 2) PARRY ALYN JAMES 3) POWELL CATHERINE MARIA 4) ROBINSON KAREN 5) SCHOKKER WIEBE 6) VERSCHELLING GILBERT MARTIN 7) VAN DER WEG PIETER BROER

(57) Abstract : A particulate laundry detergent composition which comprises, as separate particulate components:

- (a) at least to wt % granular detergent base powder comprising surfactant and builder and having a bulk density of at least 0.5 kg/l, preferably at least 0.6 kg/l; and
- (b) no more than 10 wt% particulate sodium carbonate,

wherein the sodium carbonate has a size / density index (SD) of no more than 200, preferably no more than 150, more preferably no more than 100, desirably no more than 75 and especially no more than 50, wherein SD = bulk density (kg / l) x d₅₀ particle size (microns). The sodium carbonate preferably has a d₅₀ particle size of no more than 300 microns, preferably no more than 200 microns.

Figure : NIL

Publication After 18 months

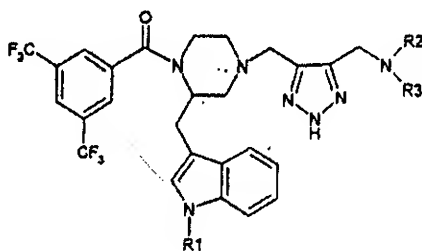
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 909/MUM/2002 A (22) Date of filing of Application: 17/10/2002

(54) Title of the invention: NOVEL N-TRIAZOLYMETHYL-PIPERAZINE DERIVATIVES AS NEUROKININ RECEPTOR ANTAGONISTS

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	SOLVAY PHARMACEUTICALS GMBH
(31) Document No.: 100 36 818.2	Address of the Applicant:
(32) Date : 28/07/2000	HANS-BOCKLER-ALLEE 20, 30173 HANNOVER, GERMANY
(33) Name of convention country : GERMANY	(72) Name of the Inventors :
(66) Filed U/s. 5(2) : YES	1. DANIEL JASSERAND
(61) Patent of addition to application No.: NIL	2. UWE SCHON
(62) Filed on : N.A.	3. HOLGER SANN
(63) Divisional to Application No.: 672/MUM/2001	4. REINHARD BRUCKNER
(64) Filed on: 16/07/2001	5. CHRISTIAN EECKHOUT

(57) Abstract : Novel N-triazolymethyl-piperazine derivatives which are antagonistic to neurokinin receptors, of the general formula I,



wherein R¹, R² and R³ have the meanings given in the description, and medicament containing these compounds are described. Furthermore, processes for the preparation of the novel compounds and intermediate products of this process are described.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 910/MUM/2002 A (22) Date of filing of Application: 18/10/2002

(54) Title of the invention: HALONITROBUTADIENES

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	BAYER CROPSCIENCE AG
(31) Document No.: 10154313.1	Address of the Applicant:
(32) Date : 05/11/2001	ALFRED-NOBEL-STR. 50, 40789 MONHEIM, GERMANY
(33) Name of convention country : GERMANY	(72) Name of the Inventors :
(66) Filed U/s. 5(2) : YES	1. REINER FISCHER
(61) Patent of addition to application No.: NIL	2. PETER JESCHKE
(62) Filed on : N.A.	3. CHRISTOPH ERDELEN
(63) Divisional to Application No.: NIL	4. PETER LOSEL
(64) Filed on: N.A.	5. UDO RECKMANN
	6. DIETER KAUFMANN
	7. VIKTOR ZAPOLSKIL

(57) Abstract : The present invention relates to novel halonitrobutadienes, to process for their preparation and to their use for controlling animal pests

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

(21) Application No.: 912/MUM/2002 A (22) Date of filing of Application: 18/10/2002

(54) Title of the invention: TISSUE-LIKE ORGANIZATION OF CELLS AND MACROSCOPIC TISSUE-LIKE CONSTRUCTS, GENERATED BY MACROMASS CULTURE OF CELLS, AND THE METHOD OF MACROMASS CULTURE.

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	RELIANCE LIFE SCIENCES PRIVATE LIMITED
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	CHITRAKOOT, 2 ND FLOOR,
(33) Name of convention country : NIL	GANPATRAO KADAM MARG,
(66) Filed U/s. 5(2) : NO.	SHREE RAM MILLS COMPOUND,
(61) Patent of addition to application No.: NIL	LOWER PAREL, MUMBAI : 400 013,
(62) Filed on : N.A.	MAHARASHTRA, INDIA.
(63) Divisional to Application No.: NIL	(72) Name of the Inventors :
(64) Filed on: N.A.	1. MANISHA SHARADCHANDRA
	DESHPANDE
	2. DR. MANOJ VINOY MOJAMDAR

(57) **Abstract :** Three-dimensional tissue-like organization of cells by high cell-seeding-density culture termed as macromass culture is described , By macromass culture, cells can be made to organize themselves into a tissue-like form without the aid of a scaffold and three-dimensional macroscopic tissue-like constructs can be made wholly from cells. Tissue-like organization and macroscopic tissue-like construct can be generated from fibroblastic cells of mesenchymal origin (at least), which can be either differentiated cells or multipotent adult stem cell. In this work, tissue-like organization and macroscopic tissue-like constructs have been generated from dermal fibroblasts, adipose stromal cells-derived osteogenic cells, chondrocytes, and from osteoblasts. The factor causing macroscopic tissue formation is large scale culture at high cell seeding density per unit area or three- dimensional space, that is, macromass culture done on a large scale. No scaffold or extraneous matrix is used for tissue generation, the tissue are of completely cellular origin. No other agents (except high cell-seeding-density) that aid in tissue formation such as tissue-inducing chemicals, tissue-inducing growth factors, substratum with special properties, rotational culture, etc, are employed for tissue formation. These tissue-like masses have the potential for use as tissue replacement in the human body. Tissue-like organization by high cell-seeding-density macromass culture can also be generated at the microscopic level.

Figure : NIL

Publication After 18 months

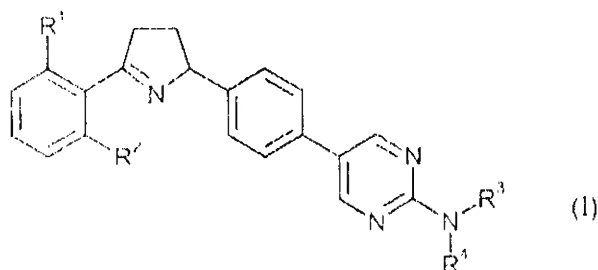
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 914/MUM/2002 A (22) Date of filing of Application: 21/10/2002

(54) Title of the invention: Δ^1 -PYRROLINES

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 10154517.7</p> <p>(32) Date : 07/11/2001</p> <p>(33) Name of convention country : GERMANY</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>BAYER AKTIENGESELLSCHAFT</p> <p>Address of the Applicant:</p> <p>D-51368, LEVERKUSEN, GERMANY A GERMAN COMPANY</p> <p>(72) Name of the Inventors :</p> <ol style="list-style-type: none"> 1. THOMAS SEITZ 2. MARTIN FÜßLEIN 3. JOHANNESRUDOLF JANSEN 4. UDO KRAATZ 5. CHRISTOPH ERDELEN 6. ANDREAS TURBERG 7. OLAF HANSEN
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(57) Abstract : Novel Δ^1 -pyrrolines of formula (I)



in which

R^1 , R^2 , R^3 and R^4 are as defined in the description,

a number of processes for preparing these substances, and their use for controlling pests.

Figure : NIL.

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

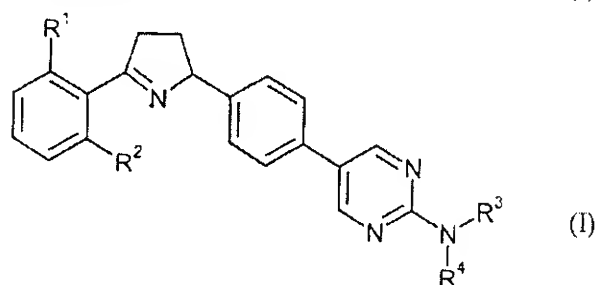
(21) Application No.: 915/MUM/2002 A

(22) Date of filing of Application: 21/10/2002

(54) Title of the invention: Δ^1 -PYRROLINES

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 10154515.0</p> <p>(32) Date : 07/11/2001</p> <p>(33) Name of convention country : GERMANY</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>BAYER AKTIENGESELLSCHAFT</p> <p>Address of the Applicant:</p> <p>D-51368, LEVERKUSEN, GERMANY A GERMAN COMPANY</p> <p>(72) Name of the Inventors :</p> <p>1) THOMAS SEITZ 2) MARTIN FUßLEIN 3) JOHANNESRUDOLF JANSEN 4) UDO KRAATZ 5) CHRISTOPH ERDELEN 6) ANDREAS TURBERG 7) OLAF HANSEN</p>
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(57) Abstract : Novel Δ^1 -pyrrolines of formula (I)



in which

- R^1 is halogen or methyl,
 R^2 is halogen or halogen,
 Y is O (oxygen) or S (sulphur),
 R^3 is C_1 - C_4 -alkyl, C_3 - C_6 -cycloalkyl or C_3 - C_6 -cycloalkyl- C_1 - C_2 -alkyl,

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 916/MUM/2002 A (22) Date of filing of Application: 21/10/2002

(54) Title of the invention: NOVEL AUXILIARY TANK TO BE FITTED IN WATERCOOLED ENGINES

(51) International classification:	(71) Name of the Applicant:
(30) Priority Data :	PATWARDHAN BHASKAR VITTHAL
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	GODAVARI, TARWALA NAGAR,
(33) Name of convention country : NIL	OPP. C.D.O., DINDORI ROAD,
(66) Filed U/s. 5(2) : NO.	NASHIK- 422 004,
(61) Patent of addition to application No.: NIL	MAHARASHTRA, INDIA
(62) Filed on : N.A.	(72) Name of the Inventors :
(63) Divisional to Application No.: NIL	PATWARDHAN BHASKAR VITTHAL
(64) Filed on: N.A.	

(57) Abstract : A novel engine coolant-level indicator system comprising of: a probe which is a conductor of electricity and made up of material having high resistance to corrosion, is fitted in the radiator cap or elsewhere in the cooling system of a water-cooled engine, whether stationary or automobile – such that the probe being fully or partially dipped in the coolant/ water and the lower end of the probe being placed at a level which is a minimum necessary level of the coolant/ water in the engine (the minimum necessary level means if coolant/ water goes below that level then the engine would get overheated); the other end of the probe being connected to the sensor unit/ audio and/or visual signal unit (“audio-visual unit”) by electrical wires; and the sensor unit/ audio-visual unit being also connected to the engine battery, which transfers the current from the engine battery to the probe.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 918/MUM/2002 A (22) Date of filing of Application: 22/10/2002

(54) Title of the invention: IMPROVED PURIFICATION SYSTEM

(51) International classification: C02F 1/52, 1/50, 166, 1/72, 1/76	(71) Name of the Applicant:
(30) Priority Data :	HINDUSTAN LEVER LIMITED
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI: 400 020, MAHARASHTRA, INDIA.
(33) Name of convention country : NIL	
(66) Filed U/s. 5(2) : NO.	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors :
(62) Filed on : N.A.	1. MAHAPATRA SAMIRAN 2. DAGAONKAR MANOJ
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : The invention relates to water purification compositions for purification of contaminated water to make it suitable for potable purposes. The invention especially related to highly stable water purification compositions and is especially suited for use when the compositions may have to be stored in harsh ambient conditions as is prevalent in tropical climates.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 919/MUM/2002 A (22) Date of filing of Application: 23/10/2002

(54) Title of the invention: CONCEALOR FOR SANITARY PAN

<p>(51) International classification: E 03 C 1/00 1/266</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2): NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>1. BANERJEE SHYAMAL KUMAR 2. BANERJEE SOUNAK</p> <p>Address of the Applicant:</p> <p>A-504 (NEW), PHASE-I, GOLDEN NEST MIRA BHAYANDER ROAD, THANE, MAHARASHTRA-401105</p> <p>(72) Name of the Inventors :</p> <p>1. BANERJEE SHYAMAL KUMAR 2. BANERJEE SOUNAK</p>
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(57) **Abstract :** The major part of the Indian style toilet/ lavatory is occupied by a Sanitary Pan that is used in the squatting position. The intrinsic problems of such pan necessitate the requirement of a suitable cover that will eliminate the inconveniences and bring an aesthetic appeal to the toilet /lavatory. The very concept of covering the pan or any other similar structure used as a pan in the squatting position, is the basis of this patent. The main feature are outlined below:

Material : Anti-corrosive, metallic/non-metallic/plastic

Strength : Can withstand the load of a normal person

Elevation : Slightly convex/flat at the top with vents and projections at the bottom

Colour : Various colours and combinations.

Dimension : Either inscribes or encapsulate all commercially available sanitary pans

Installation : Fixed on the toilet/lavatory floor

Operation : 2-stage folding with convenient grip for opening/closing

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 920/MUM/2002 A (22) Date of filing of Application: 23/10/2002

(54) Title of the invention: A DEVICE WHICH A DRYER IS DEVELOPED TO DRY CARDAMOM AND ANY OTHER SEEDS IN NATURAL CONDITION WITH OUT LOOSING ITS COLOUR AND NATURAL ESSENCE IN CONTROLLED TEMPERATURE FOR THE BEST RESULT AND FUEL EFFICIENCY.

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>MALLEKKATTU JOSEPH ABRAHAM</p> <p>Address of the Applicant:</p> <p>FLAT NO. 402 B, THE GREAT EASTERN GARDEN, L.B.S. MARG, KANJUMARG (WEST), MUMBAI, AN INDIAN NATIONAL</p> <p>(72) Name of the Inventors :</p> <p>MALLEKKATTU JOSEPH ABRAHAM</p>
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(57) Abstract : The present invention is a 'A Dryer Developed To Dry Cardamom And Any Other Seeds In Natural Condition Without Losing Its colour And Natural Essence In controlled Temperature For The Best Results And Fuel Efficiency' comprising of:-

The flame monitor which ignites the gas burners (2), monitors the flame, and if the flame extinguishes for any reason, puts off the gas and gives an alarm. The temperature monitor 1 measures and displays the inlet drying room temperature and maintains it constant along with flame monitor. The temperature monitor 2 measures the exhaust temperature and determines whether the seeds are dried. The heat exchanger consists of burners, which indirectly heat the air which passes to the drying room. Thermal fluid in the heat exchanger (3) keeps the heating consistent.

Once the outlet temperature reaches the set temperature it assumes that the seeds are dried, the system is shut off automatically and alarm is given.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

(21) Application No.: 921/MUM/2002 A (22) Date of filing of Application: 23/10/2002

(54) Title of the invention: A TRAY COLUMN

(51) International classification:

(30) Priority Data :

(31) Document No.: 1) 01 811 181.5 2) 02 405 279.7

(32) Date : 1) 05/12/2001 2) 09/04/2002

(33) Name of convention country : EPO

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

SULZER CHEMTECH AG.

Address of the Applicant:

HEGIFELDSTRASSE 10, CH-8404
WINTERTHUR, SWITZERLAND

(72) Name of the Inventors :

1. MARKUS FISCHER

(57) Abstract : The tray column (1) has downcomers (3) for a transport of the liquid between adjacent trays (2). The liquid transport takes place in each downcomer through a plurality of discharge apertures (32) onto a loaded tray. Liquid flowing out of the discharge apertures in the form of jets (60) blending into a regionally divergent flow field (6) on striking the loaded tray, said flow field having transverse components of the flow speed with respect to a longitudinal main flow direction (61). Guide elements (4) are arranged beneath the discharge apertures and at a spacing from the loaded tray which each guide the impulse of liquid corresponding to the divergent flow field. The guide elements contribute to forming the transverse speed components such that the longitudinal component of the flow speed has a largely constant profile in each plane perpendicular to the main flow direction. The discharge apertures are preferably made in different sizes in a graduated fashion to be smaller in a central region than in adjacent flank regions.

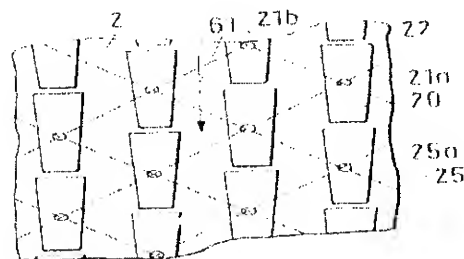
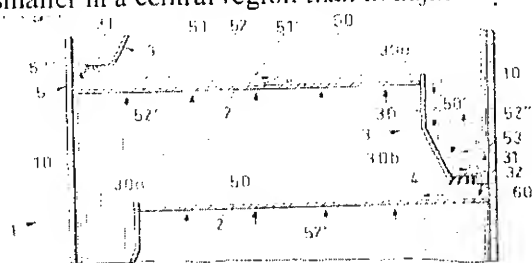


Figure : 1 & 4.

Publication After 18 months

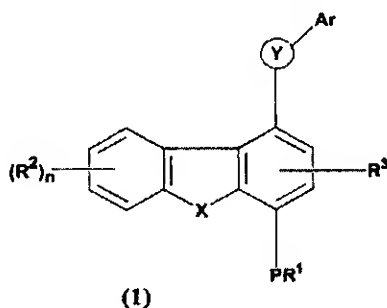
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 922/MUM/2002 A (22) Date of filing of Application: 23/10/2002

- (54) Title of the invention: NOVEL TRICYCLIC COMPOUNDS USEFUL FOR THE TREATMENT OF INFLAMMATORY AND ALLERGIC DISORDERS: PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>GLENMARK PHARMACEUTICALS LIMITED</p> <p>Address of the Applicant:</p> <p>B/2, MAHALAXMI CHAMBERS, 22, BHULABHAI DESAI ROAD, POST BOX NO. 26511, MUMBAI : 400 026, INDIA, AN INDIAN COMPANY</p> <p>(72) Name of the Inventors :</p> <p>1) GOPALAN BALASUBRAMANIAN 2) LAXMIKANT ATMARAM GHARAT 3) AFTAB DAWOODBHAI LAKDAWALA 4) RAGHU RAM ANUPINDI</p>
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- (57) Abstract : A compound of the general formula (1)



wherein

R^1 , R^2 and R^3 may be same or different and are independently selected from the groups consisting of hydrogen substituted or unsubstituted alkyl, substituted or unsubstituted alkenyl, substituted or unsubstituted alkynyl,

substituted or unsubstituted cycloalkyl substituted or unsubstituted cycloalkylalkyl, substituted or unsubstituted cycloalkenyl, substituted or unsubstituted aryl, substituted or unsubstituted arylalkyl, substituted or unsubstituted heteroaryl, substituted or unsubstituted heterocyclic group, substituted or unsubstituted heterocyclalkyl, substituted or unsubstituted heteroarylalkyl, $-C(O)-R^1$, $-C(O)O-R^1$, $-C(O)NR^1R^1$, $-S(O)_m-R^1$, $-S(O)_m-NR^1R^1$, nitro, $-OH$, cyano, amino, formyl, acetyl, halogen, $-OR^1$, SR^1 , protecting groups or when two R^2 substituents ortho to each other, may be joined to form a ring, which may optionally include up to two heteroatoms selected from O, NR^1 or S;

Wherein P represents oxygen or sulfur;

Wherein n represents 0-4;

Ar is substituted or unsubstituted aryl, substituted or unsubstituted arylalkyl, substituted or unsubstituted heterocyclic ring or substituted or unsubstituted heteroaryl ring;

Preferably Ar is optionally substituted pyridyl in which optional substituents may be same or different and are independently selected from the groups consisting of hydroxyl halogen, cyano, nitro, carboxyl trifluoroalkyl, substituted or unsubstituted alkyl, substituted or unsubstituted alkoxy, substituted or unsubstituted alkoxy carbonyl, substituted or unsubstituted alkyl carbonyl substituted or unsubstituted alkyl carbonyloxy, substituted or unsubstituted amino or mono or di substituted or unsubstituted alkylamino

The salts of these compounds, and then N-oxides of the pyridines and their salts.

X is oxygen, $S(O)_m$ or NR^1 ;

Wherein m is 0, 1 or 2

Y is $-C(O)NR^4$, $-NR^4SO_2$, $-SO_2NR^4$ or $NR^4C(O)$;

R^4 is hydrogen, substituted or unsubstituted alkyl, hydroxyl, $-OR^1$, substituted or unsubstituted aryl, substituted or unsubstituted heterocyclic ring and their analogs, their tautomers, their regioisomers, their stereoisomers, their enantiomers, their diastereomers, their polymorphs, their pharmaceutically acceptable salts, their appropriate oxides, their pharmaceutically acceptable solvates and their pharmaceutical compositions containing them or a pharmaceutically acceptable salts thereof;

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 923/MUM/2002 A	(22) Date of filing of Application: 24/10/2002
(54) Title of the invention: METHOD OF LOADING CONTAINERS IN AN OPTIMUM WAY ON A LOAD-CARRYING PLATFORM OF A VEHICLE	
(51) International classification: B 65 G 67/04 G 01 G 19/387	(71) Name of the Applicant:
(30) Priority Data :	HONDA GIKEN KOGYO KABUSHIKI KAISHA
(31) Document No.: 2001-339213	Address of the Applicant:
(32) Date : 05/11/2001	1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN
(33) Name of convention country : JAPAN	(72) Name of the Inventors :
(66) Filed U/s. 5(2) : NO.	1. NOBUYOSHI KIYOHARA 2. YOSHINORI KURODA 3. TATSUO KOYAMA 4. YOSHIHEI IWAI 5. MAKOTO ARAI 6. HIDEKAZU TAKAHASHI
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : A method of loading containers in an optimum way on a load-carrying platform of a vehicle, in which a plurality of containers identical in shape are loaded in front-to-rear and left-to-right matrix arrangement symmetrically of the platform center, comprising the steps of :

calculating moment weight $W_i \cdot i$ which is multiplication of total weight W_i of containers in each row distant forward by i rows from the platform center by i ;

calculating moment weight $W_{-i} \cdot i$ which is multiplication of total weight W_{-i} of containers in each row distant rearward by i rows from the platform center by i ;

calculating the bias load ratio in the traveling direction, which is the ratio of the difference $|\sum W_i \cdot i - \sum W_{-i} \cdot i|$ between the total $\sum W_i \cdot i$ of moment weights of rows located forward of the platform center C and the total $\sum W_{-i} \cdot i$ of moment weights of rows located rearward of the platform center C relative to the sum of same $(\sum W_i \cdot i + \sum W_{-i} \cdot i)$;

calculating moment weight $W_j \cdot j$ which is multiplication of total weight w_j of containers in each column distant leftward by j columns from the platform center by j ;

calculating moment weight $W_{-j} \cdot j$ which is multiplication of total weight W_{-j} of containers in each column distant rightward by j columns from the platform center by j ;

calculating the bias load ratio in the breadth direction, which is the ratio of the difference $|\sum W_j \cdot j - \sum W_{-j} \cdot j|$ between the total $\sum W_j \cdot j$ of moment weights of columns located leftward of the platform center c and the total $\sum W_{-j} \cdot j$ of moment weights of columns located rightward of the platform center c relative to the sum of same $(\sum W_j \cdot j + \sum W_{-j} \cdot j)$; and

loading the containers such that the calculated bias load ratio in the traveling direction falls within a predetermined range and the calculated bias load ratio in the breadth direction falls within a predetermined range.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 924/MUM/2002 A (22) Date of filing of Application: 24/10/2002
- (54) Title of the invention: A WOUND HEALING FORMULATION OBTAINED FROM TERMINALIA ARJUNA AND A PROCESS THEREOF.

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>MENGI SUSHMA</p> <p>Address of the Applicant:</p> <p>FLAT NO. 3, SNDDT STAFF FLATS, DAULAT NAGAR, SANTACRUZ (W), MUMBAI : 400 054, MAHARASHTRA, INDIA.</p> <p>(72) Name of the Inventors :</p> <p>1) MENGI SUSHMA 2) RANE MADHURA</p>
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(57) Abstract : This invention provides a process for the extraction of bioactive components from the plant *Terminalia arjuna*, characterizing the bioactive components and incorporating the said components into a bioadhesive and biocompatible polymer for preparation of a gel formulation for application on incision and excision wounds. The bioactive components are predominantly a group of tannins. The extraction involves obtaining a liquid extract using a mixture of water and alcohol. The active components are precipitated to obtain the bioactive components in a solid form.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 925/MUM/2002 A

(22) Date of filing of Application: 24/10/2002

(54) Title of the invention: A SINGLE STAND (SIDE-STAND) APPARATUS FOR SECURING A TWO WHEELER IN AN INCLINED POSITION SUCH THAT THE TWO WHEELER CANNOT BE DRIVEN WITHOUT THE STAND BEING RELEASED

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>PRAVEEN RAWAT</p> <p>Address of the Applicant:</p> <p>D-4, KALYAN RESIDENCY, SHIVALAYA CO-OP. HSG. SOC., PASHAN-SUS ROAD, PASHAN, PUNE : 411 021, MAHARASHTRA STATE, INDIA</p> <p>(72) Name of the Inventors :</p> <p>PRAVEEN RAWAT</p>
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(57) Abstract : A single stand (side-stand) apparatus for securing a two wheeler in an inclined position such that the two wheeler cannot be driven without the stand being released. One embodiment of the invention comprises a two wheeler stand including an attachment (wire or part for similar usage) that could be attached to one or more of the following parts: Clutch, Accelerator, Side-stand indicator, Brake (front, rear or both) or Brake Lever., The requisite part(s) will only be released if the side-stand is released. Also an apparatus which has a Hook OR MAGNET to lock the single stand in so that it should not get released accidentally and let the lock being released from one or more of the parts mentioned above.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 926/MUM/2002 A (22) Date of filing of Application: 24/10/2002

(54) Title of the invention: AN IMPROVED CANISTER

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI: 400 020, MAHARASHTRA, INDIA.</p> <p>(72) Name of the Inventors :</p> <ol style="list-style-type: none"> 1. DAVE PARTHIV RIPUDAMAN 2. MISTRY MAHENDRAKUMAR MAGANLAL 3. VADHYAR JAYASHREE ANANTHARAM 4. MUKHERJEE NIKHILESHWAR
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(57) Abstract : The present invention relates to a sanitizing system adapted to retain the chemical sanitizing agent for use in drinking water purification devices and to provide regulated release of chemical sanitizing agent. The sanitizing system according to the invention can be suitable for any device which regulates the release of fluids/water/dissolving liquids in domestic water purification processes such as (i) under gravity flow bucket type water purification device (ii) on tap devices and institutional water purification device such as community water purification system.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 927/MUM/2002 A (22) Date of filing of Application: 24/10/2002

(54) Title of the invention: AN IMPROVED REGULATOR

(51) International classification: B 01 D 27/14	(71) Name of the Applicant:
(30) Priority Data :	HINDUSTAN LEVER LIMITED
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI: 400 020, MAHARASHTRA, INDIA.
(33) Name of convention country : NIL	(72) Name of the Inventors :
(66) Filed U/s. 5(2) : NO.	1. CHATTERJEE JAIDEEP
(61) Patent of addition to application No.: NIL	2. MOHANTY MADALASA
(62) Filed on : N.A.	3. MISTRY MAHENDRAKUMAR MAGANLAL
(63) Divisional to Application No.: NIL	4. VADHYAR JAYASHREE ANANTHARAM
(64) Filed on: N.A.	5. DAVE PARTHIV RIPUDAMAN

(57) Abstract : The present invention relates to a device for regulated release of fluids/water/dissolving liquids under gravity flow. Such a device is adapted for operative connection to active biocide release system such as halogenated resins and/or chlorine tablets for regulated contact of said fluid/water dissolving liquid with actives usually used for purification/sanitization and like purposes. In particular, the invention is directed to a system for regulated release of fluid/water by way of an unique flow throttling of the fluid/water resulting from gravity flow in or to such purification means/units thereby ensuring desired regulated flow of the fluid/water/dissolving liquid ensuring uniform contact of the flowing fluids/water with the active biocides to avoid problems of under or over treatment of the fluid/water with said actives.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 928/MUM/2002 A (22) Date of filing of Application: 24/10/2002
- (54) Title of the invention: AN IMPROVED FURNACE TO CREMATE A HUMAN BODY USING WASTE BIOMASS AS FUEL

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>1. VIJAY PRIYAL KULKARNI 2. PUSHKAR VIJAY KULKARNI</p> <p>Address of the Applicant:</p> <p>124, SHANTI KUNJ, 5TH LANE, HINDU COLONY, DADAR (EAST), MUMBAI : 400 014, MAHARASHTRA STATE, INDIAN CITIZEN.</p> <p>(72) Name of the Inventors :</p> <p>1. VIJAY PRIYAL KULKARNI 2. PUSHKAR VIJAY KULKARNI</p>
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(57) **Abstract :** Majority of population in India dispose off a human body by Cremation. The conventional pyre requires 250 to 300 Kg. Of wood in large sections cut from medium sized trees. This is a great waste considering present requirements of conserving trees. Modern furnaces using electrical energy or diesel fuel are fuel efficient but their capital cost is so high that only large city corporations can afford these. Improved pyres, require 150 to 200 Kg. Wood. Improved furnace, rectangular in shape has an upper compartment and below it a lower compartment. The upper compartment is open at the top and is closed by a sliding cover. The floor of upper compartment has a rectangular opening on which a grill is placed. Human body is kept on this grill. On the vertical sides of the upper compartment air supply pipes are fitted which extended towards human body.

The lower compartment has a fixed sloping bottom in the central portion and there are hinged doors at the two ends. On this fixed bottom, bottom suction pipe two or more than two are provided. Lower ends of these pipes are connected to a manifold which in turn is connected to the intake of a suction blower. The suction air thus draws combustion products from upper and lower compartments and discharges as these gasses from suction blower delivery outlet.

The empty space around and above human body is filled with briquettes and bundles made from agro wastes corn-cobs or other convenient biomass. Similarly, the empty space in lower compartment is also filled with similar agro-waste. For conducting cremation, fuel at the top in upper compartment is ignited, the cover is put in position and air blower and suction blower are run. All heated air generated by combustion of biomass fuel flows round human body and passes through grill to the fuel in lower compartment, With this circulation established, a very hot zone is created around the human body and then these gasses come in contact with the burning biomass in the lower compartment. So there is no problem of smell of flesh, etc.

ADVANTAGES :

- 1) Very low capital cost as compared to other furnaces.
- 2) Simple to operate
- 3) Heat is not wasted and is very economical in fuel consumption.
- 4) Saving of wood from trees as assorted biomass can be used as fuel.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 929/MUM/2002 A (22) Date of filing of Application: 24/10/2002

(54) Title of the invention: **PROCESS FOR CONVERTING ALUMINIUM INDUSTRY WASTES INTO GLASS-CERAMIC PRODUCTS**

(51) International classification: C 04 B 35/622
C 03 C 10/00

(30) Priority Data :

(31) Document No.: NIL

(32) Date : N.A.

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

**JAWAHARLAL NEHRU
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Address of the Applicant:

**AMRAVATI ROAD, WADI,
NAGPUR 440 023,
MAHARASHTRA, INDIA,**

(72) Name of the Inventors :

**1. GOPALAN BALASUBRAMANIAN
2. MANOJ TUKARAMJI NIMJE
3. VINNAKOTA VENKATAPURNA
KUTUMBARAO**

(57) Abstract : The wastes from the aluminium industry such as red mud from alumina refinery, fly ash from the captive power plant and the spent pot lining from the smelter, have been successfully converted into glass-ceramic products. The process involves, selecting a suitable mixture of red mud, fly ash and spent pot lining, adding to it a small quantity of glass formers and traces of nucleating agents to aid crystallisation, followed by melting the mixture at around 1200° C and vitrifying it into glassy products. These glasses are then converted into glass ceramics by suitable heat treatment at a temperature around 750° C. The glass-ceramic products show excellent mechanical properties, besides having an aesthetic look. The product is expected to have application as decorative tiles in building industry. Details of the vitrification process to obtain glass-ceramic products are presented.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 930/MUM/2002 A (22) Date of filing of Application: 28/10/2002

(54) Title of the invention: **PROCESS FOR THE PREPARATION OF 2,3-PENTANEDIONE**

(51) International classification: C07C 45/00

(30) Priority Data :

(31) Document No.: 10155553.9

(32) Date : 12/11/2001

(33) Name of convention country : GERMANY

(66) Filed U/s. 5(2): NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

HAARMANN & REIMER GMBH

Address of the Applicant:

**MUHLENFELDSTR.
1, 37603 HOLZMINDEN,
GERMANY**

(72) Name of the Inventors :

- 1) **STEFAN LAMBRECHT**
- 2) **OLIVER FRANKE**
- 3) **KLAUS ZAHLMANN**

(57) Abstract : The present invention relates to a novel process for the preparation of 2,3-pentanedione starting with hydroxyacetone and paraldehyde

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

- (21) Application No.: 931/MUM/2002 A (22) Date of filing of Application: 28/10/2002
Post Dated to: 15/12/2002 U/S 17(1)

- (54) Title of the invention: A NOVEL DESIGN OF RAIL DRIVING MECHANISM FOR
DRAWOUT CIRCUIT BREAKERS

<p>(51) International classification: H01H 3/00, H02B 1/1117</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : NIL</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>LARSEN & TOUBRO LIMITED</p> <p>Address of the Applicant:</p> <p>LARSEN & TOUBRO HOUSE, BALLARD ESTATE, MUMBAI – 400 001, MAHARASHTRA STATE, INDIA.</p> <p>(72) Name of the Inventors :</p> <p>1) VIJAYALAXMI P. KHANOLKAR 2) RAKESH S. CHURI</p>
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(57) Abstract : A novel design of rail driving mechanism in circuit breakers to enable easy trolley loading, unloading and racking of drawout circuit breakers by providing a vertically movable, auto-returnable guided device spring loaded on the mechanism for moving or driving in and out the circuit breaker from the cradle; said device having a guide for its limited movement, and a follower pin fastened on it, such that, the said device gets pushed down only when the breaker is placed inside the cradle or by manual intervention and goes up automatically as the breaker is raised up from bottom, thereby facilitating crane-free handling of circuit breaker.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 932/MUM/2002 A (22) Date of filing of Application: 29/10/2002

(54) Title of the invention: A PROCESS OF PREPARING OSMO MICROSEALED DRUG DELIVER SYSTEM FOR ERYTHROMYCIN ESTOLATE

(51) International classification: A61K 31/7048
C07H 17/08

(30) Priority Data :

(31) Document No.: NIL

(32) Date : N.A.

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

ALEMBIC LIMITED

Address of the Applicant:

ALEMBIC ROAD,
VADODARA – 390 003, GUJARAT,
INDIA, AN INDIAN COMPANY

(72) Name of the Inventors:

1. SHRI SAMPAD BHATTACHARYA
2. TUSHAR VYAS
3. SUBHASIS DAS

(57) Abstract : A process of preparing a controlled release formulation Erythromycin derivatives comprising of following steps:

- (a) passing osmotic agent and Erythromycin Estolate through # 60;
- (b) granulating the Erythromycin Estolate and Osmotic agent mixture with ethyl cellulose and/or other water insoluble polymer;
- (c) drying the granules in an oven at 55-60 C until moisture content comes down to 2.0 – 2.2% w/w;
- (d) passing the dried granules through #20;
- (e) lubricating the dried granules with Magnesium Stearate; Hydroxypropyl Methylcellulose and purified talc;
- (f) compressing the tablets with 10x20 mm oval punch.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 933/MUM/2002 A (22) Date of filing of Application: 29/10/2002
- (54) Title of the invention: A PROCESS FOR MANUFACTURING HAEMOSTATIC AGENT FOR STOPPING OF BLEEDING AND HEALING OF WOUNDS.

<p>(51) International classification: A 61K 35/78</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : NIL</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SATISH SHANTARAM MOHILE</p> <p>Address of the Applicant:</p> <p>B-2/4 JAI-PUNIT NAGAR, S.V.ROAD / BHATT LANE, JUNCTION, OPPOSITE OUR LADY SCHOOL BORIVALI (WEST), MUMBAI-400092, MAHARASHTRA, INDIA AN INDIAN NATIONAL</p> <p>(72) Name of the Inventors :</p> <p>SATISH SHANTARAM MOHILE</p>
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(57) Abstract : A process of manufacturing a haemostatic agent for stopping bleeding and healing of wounds which comprises of the following steps.

Selecting dry stems of a plant Typha Eliphantina;
 Separating cotton like substance from the stem of Typha Eliphantina;
 The substance is further Autoclaved to remove mites if any and avoid fungal growth;
 The dried substance is further subjected to pinning process for further purification of the product;
 This dried product is further subjected to Grinding;
 The material is then passed through finely meshed Sieve to obtain uniform mixing and proper uniform compound;
 The grounded and sieved compound is subjected to sterilization (Gamma rays radiation).
 After sterilization the resultant product is obtained.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 934/MUM/2002 A (22) Date of filing of Application: 29/10/2002

(54) Title of the invention: **PROTECTIVE LAYER FOR HYDROPHILIC PACKAGING MATERIAL**

(51) International classification: B65D 65/40
G03C 1/005

(30) Priority Data :

(31) Document No.: 10/027,974

(32) Date : 21/12/2001

(33) Name of convention country : U.S.A.

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

EASTMAN KODAK COMPANY

Address of the Applicant:

**343 STATE STREET, ROCHESTER,
NEW YORK 14650,
UNITED STATES OF AMERICA**

(72) Name of the Inventors :

1. MRIDULA NAIR
2. WILLIAM T. ROCHFORD
3. KENNETH WILLIAM BEST JR.
4. ROBERT PAUL BOURDELAIS

(57) Abstract : The invention relates to a packaging material comprising in order a ultraviolet radiation cured environmental protection layer, a primer layer, a hydrophilic image layer, a base and an adhesive layer.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

- (21) Application No.: 935/MUM/2002 A (22) Date of filing of Application: 29/10/2002
- (54) Title of the invention: AN APPARATUS FOR OPTICAL TWEEZER BASED SYSTEM FOR AND CONTROLLED ROTATION OF TRAPPED MICROSCOPIC OBJECTS

<p>(51) International classification: G02B 027/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : NIL</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>DEPARTMENT OF ATOMIC ENERGY</p> <p>Address of the Applicant:</p> <p>ANUSHKTHI BHAVAN, CHATRAPATHI SHIVAJI MAHARAJ MARG, MUMBAI 400 001, MAHARASHTRA, INDIA</p> <p>(72) Name of the Inventors :</p> <p>1) SAMARENDRA KUMAR MOHANTY</p> <p>2) RAKTIM DASGUPTA</p> <p>3) PRADEEP KUMAR GUPTA</p>
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(57) Abstract : By coupling output of a laser operating in zeroth order transverse mode to the microscope objective via a cylindrical lens, a trapping beam with an elliptical profile in the transverse plane is generated in the apparatus of this invention. In such elliptic tweezers spherically asymmetric object(s) stay at the center of the trap with an orientation so as to minimize its potential energy within the trap. Therefore, by rotating the cylindrical lens, the elliptical trapping beam and hence the trapped object or ensemble of objects gets rotated around the axis of the laser beam. The rate of rotation of the trapped object can be controlled by the speed of rotation of the cylindrical lens and is limited only by the power density at the object plane and the viscous drag acting on the rotating object. The angle and direction of rotation of the trapped object is governed by the angle and direction of rotation of the cylindrical lens. With suitable choice of focal lengths of cylindrical lenses and placing them at appropriate distances with their focusing axis orthogonal to each other, the size of the elliptic trap can be varied. This facilitates trapping of multiple objects or objects of varying sizes, which can then be rotated by rotation of cylindrical lens (assembly of lenses).

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 936/MUM/2002 A (22) Date of filing of Application: 29/10/2002

(54) Title of the invention: IMPROVED TRANSMISSION SYSTEM FOR SCOOTERS

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>BAJAJ AUTO LIMITED</p> <p>Address of the Applicant:</p> <p>AKURDI, PUNE 411 035, MAHARASHTRA, INDIA, AN INDIAN COMPANY</p> <p>(72) Name of the Inventors :</p> <p>1) JOSEPH A</p>
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(57) Abstract : An improved transmission system for scooter. The improved transmission system comprises a gear train assembly and a gear shifting means; said gear train assembly comprises an input shaft which is provided with an integral gear, an intermediate shaft, an output shaft, an input fork, an intermediate fork, an output fork, three dog gears, four slotted gears, and gear. The said gear shifting means comprises a crank case assembly, a sector plate, a gear shifting lever assembly, a gear shift lever having a slot, a pair of lanced projection, an integral bent lug, six numbers of gear shifting pins, a drum assembly provided with milled profiles, a spring loaded inhibitor, a stopper pin, a compression spring and a torsion spring. The said gear shifting lever assembly is fastened to said sector plate at one end thereof and said gear shift lever is welded at the other end, said sector plate is operable through control means provided; said gear shifting lever assembly being connected to said crank case assembly by said torsion spring. The said drum assembly is rotatably fitted within said crank case assembly, said gear shifting pin being slidably fitted through splines to said drum assembly by said compression spring, said gear shifting pin is operable by said lanced projection and its movement is limited by said bent lug, said inhibitor is connected to said gear shifting pin through a torsion spring. The said input fork intermediate fork, and output fork is engaged in said milled profiles on said drum assembly. The other ends of said forks are connected to dog gears respectively. The said gear and dog gear are rotatably fitted on said input shaft, said slotted gears and dog gear are rotatably fitted on said intermediate shaft and said slotted gears and dog gear are rotatably fitted on said output shaft to achieve the desired gear ratios and resetting said sector plate and said control means back to its normal position.

Publication After 18 months

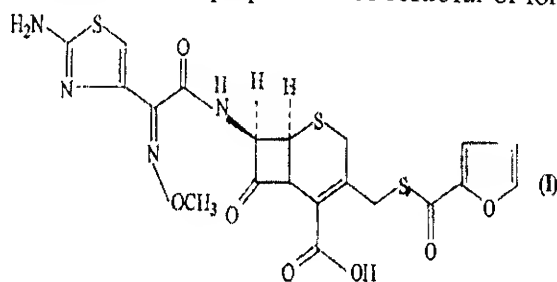
The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 937/MUM/2002 A (22) Date of filing of Application: 29/10/2002

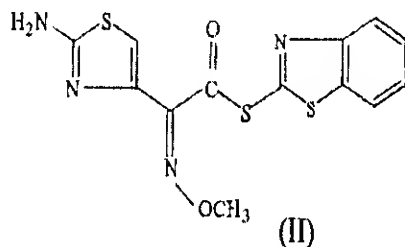
(54) Title of the invention: AN IMPROVED METHOD FOR PREPARATION OF CEFTIOFUR

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>LUPIN LIMITED</p> <p>Address of the Applicant:</p> <p>159 CST ROAD, KALINA, SANTACRUZ (EAST), MUMBAI : 400 098, MAHARASHTRA, INDIA.</p> <p>(72) Name of the Inventors :</p> <p>1) TYAGI OM DUTT 2) RICHHARIYA SANTOSH KUMAR 3) PAWAR RAJESH KUMAR RAMCHANDRA 4) CHAVAN YUVARAJ ATMARAM</p>
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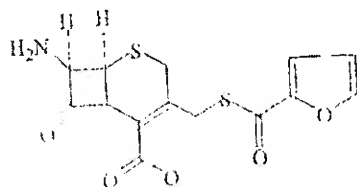
(57) Abstract : A process for preparation of ceftiofur of formula (I)



of high purity and substantially free from impurities is disclosed. The process comprises reacting [2-(2-aminothiazol-4-yl)]-2-syn-methoxyimino acetic acid-2-benzothiazolyl thioester of formula (II)



with 7-amino-3-(2-furanylcarbonylthiomethyl)-3-cephem-4-carboxylic acid of formula (III)



(III)

- in the presence of a mixture of an water-immiscible inert organic solvents and water and in the presence of a organic base and isolating ceftiofur of formula (I) substantially free of impurities by,
- d) adding water to the reaction mixture and selectively partitioning the impurities in the organic phase and ceftiofur (I) in the form of a salt with the base in the aqueous phase,
- e) acidifying the aqueous phase containing ceftiofur (I) in the form of a salt with the base in the presence of mixture containing a water-miscible and a water-immiscible organic solvents and in the presence of a saturated aqueous solution of an alkali or alkaline earth containing salt, to partition ceftiofur (I) in the organic phase, and
- f) isolating ceftiofur (I) of high purity and substantially free of impurities by evaporation of the organic solvent or precipitation by addition of a co-solvent.

Figure : NIL

Publication After 18 months

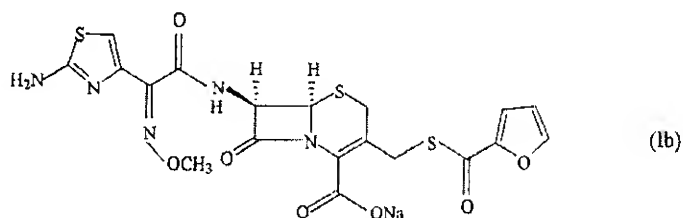
The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 938/MUM/2002 A (22) Date of filing of Application: 29/10/2002

(54) Title of the invention: AN IMPROVED METHOD FOR PREPARATION OF CEFTIOFUR AND SALTS THEREOF

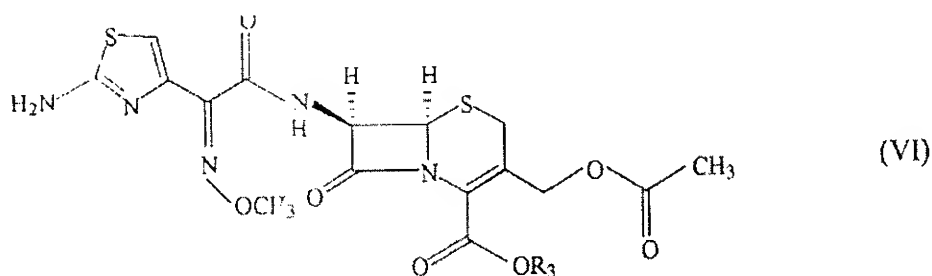
<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>LUPIN LIMITED</p> <p>Address of the Applicant:</p> <p>159 CST ROAD, KALINA, SANTACRUZ (EAST), MUMBAI : 400 098, MAHARASHTRA, INDIA.</p> <p>(72) Name of the Inventors :</p> <p>1. TYAGI OM DUTT 2. RICHHARIYA SANTOSH KUMAR 3. PAWAR RAJESH KUMAR RAMCHANDRA</p>
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(57) Abstract : A Process for preparation of ceftiofur sodium of formula (Ib)

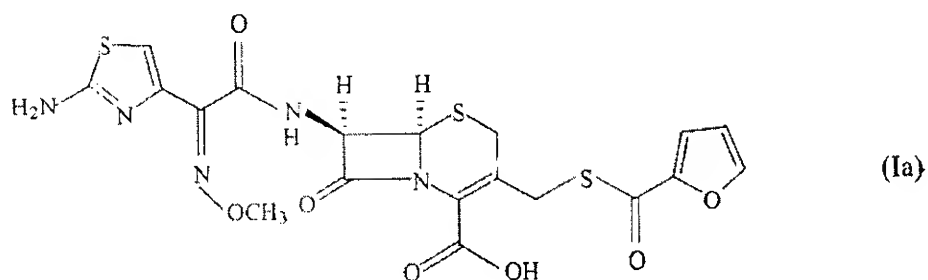


possessing high stability and having purity of more than 97% and substantially free of impurities, is disclosed. The process comprises:

- i) reacting cefotaxime or its salts or its esters of formula (VI)



wherein R_3 is hydrogen, an alkali or alkaline earth metal, or an easily hydrolysable ester, with thiofuroic acid, employed in a molar proportion of 1.5 to 3.0 moles per mole compound (VI), in the presence of acetonitrile as solvent and in the presence of large excess of methanesulfonic acid, employed in molar proportions of 12 to 18 moles per mole of compound (VI), and at a temperature of between -5°C to 30°C to give after necessary neutralization of the alkali or alkaline earth metal or removal of the ester group of the 4-carboxylic acid function, wherever applicable, ceftiofur of formula (Ia), possessing high stability and having purity of more than 97% and substantially free of impurities;



- ii) converting the ceftiofur of formula (Ia) thus obtained to its salt with an organic amine by treating a solution of ceftiofur in a mixture of water and a water-miscible organic solvent with an organic amine, at a temperature ranging from -10°C to 10°C ;
- iii) reacting of the amine salt thus obtained with a sodium metal carrier in a mixture of water and water-miscible organic solvent and in presence of sodium hydrogen sulfite to give ceftiofur sodium of formula (Ib)

Figure : NH.

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 940/MUM/2002 A (22) Date of filing of Application: 30/10/2002

(54) Title of the invention: AN INSULATED BOTTLE

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>THADANI MAHESH</p> <p>Address of the Applicant:</p> <p>1, KRISHNA NIWAS NO. 1, PUDUMJEE COMPOUND, PUNE – 411 042, MAHARASHTRA, INDIA, INDIAN NATIONAL</p> <p>(72) Name of the Inventors :</p> <p>THADANI MAHESH</p>
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(57) Abstract : “An Insulated Bottle, characterized by a closure capped Bottle (9) being stored within an insulatory, rigid, portable receptacles, both adapted to each other, said Receptacle being formed from the non-permanent sequential assembly of four polymer components, a body (11), a Movement Stopper (12) , a Holding Ring (13) and a Top Cover Cup (14), which jointly store said Bottle (9) in a securable, mostly non-touching, removable and refittable manner, said Bottle (9) holding liquids securably, being made from clear polymer, being reusable and using a resecurable screw thread type Closure Cap (10), said Body (11) seated and secured said Bottle's (9) said Closure Cap (10) being openable and closeable without said Bottle's rotation or uplift, said Body (11) being fully opaque with incorporated or applied reflectivity, or opaque and having a fitted clear window (26) in its upright wall's central part, or fully clear, said fitted window and said clear Body's upright wall's central part having a specific inner shape (29) to help magnify external view of said Bodies (24, 25) enclosed Bottle and water.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 941/MUM/2002 A (22) Date of filing of Application: 30/10/2002

(54) Title of the invention: **PROCEDURE AND APPARATUS FOR TESTING AUTOMOTIVE COMPONENTS FOR COMBINED EFFECTS OF CHEMICAL REACTIONS AND MECHANICAL WIPING**

<p>(51) International classification: B 01 J 1/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>MAHINDRA & MAHINDRA LTD.</p> <p>Address of the Applicant:</p> <p>MAHINDRA TOWERS, WORLI, MUMBAI : 400 018, MAHARASHTRA, INDIA, AN INDIAN COMPANY</p> <p>(72) Name of the Inventors :</p> <p>SHIRISH BALKRISHNA KULKARNI</p>

(57) Abstract : The invention is a test process to study the combined effects of chemicals and mechanical wiping on decorative automotive components, and an apparatus to perform, the said test process. It also aims to estimate the life of such decorative automotive components before they start deteriorating in appearance.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 942/MUM/2002 A (22) Date of filing of Application: 30/10/2002

(54) Title of the invention: ANALOGUE EGR CONTROLLER

<p>(51) International classification: F 01 N 9/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>MAHINDRA & MAHINDRA LTD.</p> <p>Address of the Applicant:</p> <p>MAHINDRA TOWERS, WORLI, MUMBAI : 400 018, MAHARASHTRA, INDIA, AN INDIAN COMPANY</p> <p>(72) Name of the Inventors :</p> <p>ATUL GOVIND DESHMUKH</p>
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(57) Abstract : An analogue EGR controller to operate the exhaust gases re-circulation in automotive vehicles comprising a power supply block consisting of IC U4, resistors R1, R2 and capacitors, a ramp generator block consisting of an IC U1, resistor R3, R4 and R5 and charging discharging capacitor S4 by the ICs U1 a resistor, R2 and R5 which generates the ramp signal, and a coupling block which connects the ramp signal 2 to modulate block-5 consisting a series RC circuit having of resistor R12 and capacitor C5, a DC offset adder block which added to the signal of block having a resistor R14, and a PWM generator consisting of IC, U1c, which generates PWM signal, a buffer amplifier block containing the IC U2A used in unity gain mode to isolate the input signal from FIP potentiometer the prevent electrical loading of the pot signal, the potentiometer from which the input signal derived is mounted on the Fuel injection pump of the engine and a clamping block consisting of a combination of diodes D3 Resistor R20 and R19 to clamp the buffered FIP pot signal to the valve corresponding to lower cut off point to adjust over all zener voltage, a higher cut-off point block acts as a voltage comparator and compares the voltage value that corresponds to the higher cut-off point with POT, the FIP potentiometer signal, a switching block which provides the signals used for switching on and off the electrical coil L1 of the pneumatic modulator which controls the quantity of vacuum which is fed to the EGR valve.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 943/MUM/2002 A (22) Date of filing of Application: 30/10/2002

(54) Title of the invention: **BALANCED ARCHITECTURE FOR ADHESIVE IMAGE MEDIA**

(51) International classification: G 03 C 1/76, 1/765
G 03 C 11/12, 11/14

(30) Priority Data :

(31) Document No.: 10/028,865

(32) Date : 21/12/2001

(33) Name of convention country : U.S.A.

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

EASTMAN KODAK COMPANY

Address of the Applicant:

**343, STATE STREET, ROCHESTER,
NEW YORK 14650,
UNITED STATES OF AMERICA**

(72) Name of the Inventors :

1. **MRIDULA NAIR**
2. **TAMARA KAY JONES**
3. **ROBERT PAUL BOURDELAIS**
4. **JEHUDA GREENER**
5. **JUSTIN ZHANJUN GAO**

(57) Abstract : The present invention relates to an image element comprising at least one image layer, a base, a gelatin layer below said base and a pressure sensitive adhesive below said gelatin layer, wherein said base has a stiffness of less than 20 mN.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 944/MUM/2002 A (22) Date of filing of Application: 30/10/2002

(54) Title of the invention: SLEEVE GRIP FOR A SPANNER

<p>(51) International classification: B 25 B 13/00 B 25 B 23/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>TAPARIA TOOLS LIMITED</p> <p>Address of the Applicant:</p> <p>A-2/423-424, SHAH & NAHAR, LOWER PAREL (W), MUMBAI : 400 013, MAHARASHTRA, INDIA AN INDIAN COMPANY</p> <p>(72) Name of the Inventors :</p> <p>1. HARNARAYAN TAPARIA</p>
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(57) Abstract : A sleeve grip for a spanner that can be slipped on and secured to the existing metal handle of the spanner, said sleeve grip having an annulus defining the contours of the spanner handle and a resilient body defined by front and rear panels and edge panels of a thermo plastic elastomer consisting of a combination of polypropylene 4 to 15% and EPDM rubber 85 to 96%, said edge panels defining on its operative upper and lower end striated recesses to provide friction surfaces for the thumb and fore finger of a user at the upper end and the little finger at the lower end, a plurality of pin hole type recesses throughout the top and bottom panels and elongate recesses on top and bottom panel.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 945/MUM/2002 A (22) Date of filing of Application: 30/10/2002

(54) Title of the invention: **BYPASS PROTEIN PLANT FOR TREATING PROTEIN MEALS/CATTLE FEED.**

<p>(51) International classification: 83 A3</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p> <p>COGNATE TO : 1) 79/MUM/2002</p>	<p>(71) Name of the Applicant:</p> <p>NATIONAL DAIRY DEVELOPMENT BOARD</p> <p>Address of the Applicant:</p> <p>NATIONAL DAIRY DEVELOPMENT BOARD, ANAND – 388 001, GUJARAT</p> <p>(72) Name of the Inventors :</p> <p>1) DR. MANGET RAM GARG 2) SHRI SK KHANDELWAL 3) SHRI VM PANCHAL</p>

(57) Abstract : **BYPASS PROTEIN PLANT FOR TREATING PROTEIN MEALS/CATTLE FEED**

This specification describes the nature of construction and operation of the semi automatic by-pass protein manufacturing plant generally comprises of following equipment as listed below:

Vibro Feeder for Hammer mill, Cap. 5 MT/hr., Hammer Mill (Full Circle Type), Cap. 5 MT/hr., Vertical Fountain Type Airtight Mixer, Cap. 3 MT/batch., Closed Type conveying system :-

Auger – 1 : Cap – 7.5 MT/hr – 1 No.

Auger – 2 : Cap – 15 MT/hr – 1 No.

Auger – 3 : Cap – 15 MT/hr – 1 No.

Auger – 4 : Cap – 7.5 MT/hr – 1 No.

(Specification No. 13.60.04.01)

Formalin Metering cum Dosing System, Cap. 500 Ltrs./hr -1 No.
(Specification No. 13.60.05.01)

Air Compressor, Cap. 9 Cu. M./Hr, 7kg/sq.cm., 160 L – No.
(Specification No. 13.60.06.01)

1 Mobile (Inclined) Screw Conveyor, Cap. 5 MT/hr – 1 No.
(Specification No. 13.60.07.01)

Airtight Silo, Cap. 25 MT -2 Nos.
(Specification No. 13.60.08.01)

Motor Control Centre cum Mimic Panel – 1 No.
(Specification No. 13.60.09.01)

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: 946/MUM/2002 A (22) Date of filing of Application: 31/10/2002

(54) Title of the invention: IMPROVED FLOUR COMPOSITION

<p>(51) International classification: C 12 P 19/14</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI: 400 020, MAHARASHTRA; INDIA.</p> <p>(72) Name of the Inventors :</p> <ol style="list-style-type: none"> 1. SREERAMULU GUTTAPADU 2. SAWANT ASHOK VINAYAK 3. VAISHNAV PANKAJ PRADYUMNARAI 4. BHARADWAJ ALAMELU GOPALARATHANAM
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(57) Abstract : The present invention relates to improvement in whole meal cereal flour and in particular to an enzymatically modified whole meal cereal flour adjunct useful for enhancing quality attributes of whole meal cereal flours. The invention is particularly useful in providing wheat flour of enhanced quality attributes by way of a selective blend of the enzymatically modified cereal flour adjunct comprising co-dried selective mix of enzymatically modified cereal flour in amount of 3 to 5 parts and conventional cereal flour 1 to 1.5 parts to provide for flat breads such as chapati/roti, ice-cream cone of improved taste and flavour.

Figure : NIL

Publication After 18 months

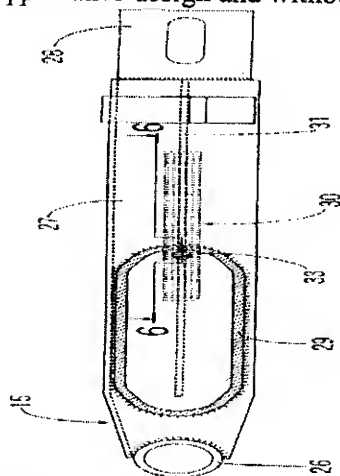
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 947/MUM/2002 A (22) Date of filing of Application: 31/10/2002

(54) Title of the invention: VIBRATION-PROOFING STRUCTURE FOR HOLLOW PIPE FOR VEHICLE

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-365558</p> <p>(32) Date : 30/11/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HONDA GIKEN KOGYO KABUSHIKI KAISHA</p> <p>Address of the Applicant:</p> <p>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</p> <p>(72) Name of the Inventors :</p> <p>1. KAZUO YAMAMOTO 2. MIKIMASA MATSUBAYASHI</p>
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(57) Abstract : To make it possible to fit a vibration-proofing member into a hollow pipe, without impairing appearance design and without increasing the number of component parts.



A hollow pipe 27 formed by extrusion of a light alloy is integrally provided on its inside surface with a rib 31 extending along the longitudinal direction of the hollow pipe 27, and a vibration -proofing member 30 for restraining vibration of the hollow pipe 27 is inserted on the hollow pipe 27 so that its position in the hollow pipe in a direction orthogonal to the longitudinal direction is held by the rib 31.

Figure : 5

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 948/MUM/2002 A	(22) Date of filing of Application: 31/10/2002
(54) Title of the invention: A METHOD OF PRODUCTION OF SUCCINIC ACID	
(51) International classification: C 12 P 7/46	(71) Name of the Applicant:
(30) Priority Data :	1. APPLIED CARBOCHEMICALS, INC.
(31) Document No.: 1) 60/056,013 2) 09/134,061	2. MICHIGAN STATE UNIVERSITY BOARD OF TRUSTEES
(32) Date : 1) 18/08/1997 2) 13/08/1998	Address of the Applicant:
(33) Name of convention country : US	1. 11601 WILSHIRE BLVD., SUITE 500 LOS ANGELES, CALIFORNIA 90025, U.S.A.
(66) Filed U/s. 5(2) : NO.	2. 238 HANNAH ADMINISTRATION BUILDING, EAST LANSING, MICHIGAN 48824, U.S.A.
(61) Patent of addition to application No.: NIL	(72)
(62) Filed on : N.A.	Name of the Inventors :
(63) Divisional to Application No.: 521/BOM/1998	1. KRIS A. BERGLUND
(64) Filed on: 17/08/1998	2. SANJAY YEDUR
	3. DILUM D. DUNUWILA

(57) Abstract : A highly efficient process for the production and recovery of pure succinic acid from a succinate salt that involves minimal use of additional reagents, and produces virtually no waste by-products, and permits internal recycle of the base and acid values, is provided. The method involves the formation of diammonium succinate, either by using an ammonium ion based material to maintain neutral pH in the fermenter or by substituting the ammonium cation for the cation of the succinate salt created in the fermenter. The diammonium succinate can then be reacted with a sulfate ion, such as by combining the diammonium succinate with ammonium bisulfate and/or sulfuric acid at sufficiently low pH to yield succinic acid and ammonium sulfate. The ammonium sulfate is advantageously cracked thermally into ammonia and ammonium bisulfate. The succinic acid can be purified with a methanol dissolution step. Various filtration, rellux and reutilization steps can also be employed.

Figure : NIL.

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 949/MUM/2002 A (22) Date of filing of Application: 30/10/2002

(54) Title of the invention: **DEVICE FOR FILLING SPECIAL SOLUBLE CONTAINERS**

<p>(51) International classification: A 61 J 3/07</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p> <p>COGNATE TO : 1) 79/MUM/2002</p>	<p>(71) Name of the Applicant:</p> <p>CUSTOM CAPSULES PVT. LTD.</p> <p>Address of the Applicant:</p> <p>B-8/1, MIDC TARAPUR, CAMLIN NAKA, DIST-THANE, MAHARASHTRA, PIN – 401 506, INDIA.</p> <p>(72) Name of the Inventors :</p> <ol style="list-style-type: none"> 1. SANTOSH PURANSINGH BHAGAT 2. RAJ VIKRAM TAHIL 3. POOVAKKALA JOHN OOMMEN
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(57) Abstract : A device for filling soluble containers such as capsules comprises an assembly for orienting and separating capsules including double blind capsules which have a longer cap length and shorter body length wherein such assembly has a top sheet for loading the capsules and a bottom sheet for orienting the capsules loaded therein and such said sheets capable of being relatively displaced with respect to each other. Slots are provided in the top sheet for limiting such displacement by setting free configuration for orientation of the capsules. An open closable gate is mounted to the top sheet for enabling easier loading and containment of the capsules within the top sheet, for orienting the capsules. The filler assembly has atleast a pair of sheets having profile cut portions and profile-cut strip for gripping the body of the capsules especially capsules having a longer cap length and shorter body length such as double blind capsules.

Figure : NIL

Publication After 18 months.

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

(21) Application No.: IN/PCT/2002/01362/MUM A (22) Date of filing of Application: 01/10/2002
(PCT/US01/09088)

(54) Title of the invention: ANTHYYPERTENSIVE AGENTS AND USE

<p>(51) International classification: A61K 31/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 60/199,855 2) 60/242,280</p> <p>(32) Date : 1) 26/04/2000 2) 20/10/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>WARNER LAMBERT COMPANY</p> <p>Address of the Applicant:</p> <p>201 TABOR ROAD, MORRIS PLAINS NJ 07950</p> <p>(72) Name of the Inventors:</p> <p>1) AUERBACH BRUCE JEFFREY 2) HITCHCOCK KAREN DIANE 3) RYAN MICHAEL JOHN</p>
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(57) Abstract :

The invention is a pharmaceutical composition comprising a carboxyalkylether of the formula (I) wherein R₁, R₂, R₃, and R₄ include alkyl, alkenyl, and alkynyl, m and n are integers from 2 to 9, Y₁ and Y₂ include COOH, CHO, tetrazole, COOR₅ where R₅ is alkyl, alkenyl, or alkynyl, or a pharmaceutically acceptable salt thereof, and an antihypertensive agent, said composition being useful for treating vascular diseases. The invention includes a method of treating hypertension comprising administering a carboxyalkylether.

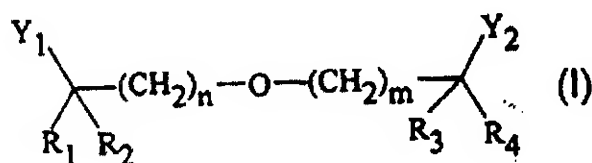


Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

(21) Application No.: IN/PCT/2002/01363/MUM A (22) Date of filing of Application: 01/10/2002
(PCT/GB01/01815)

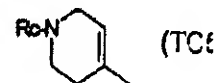
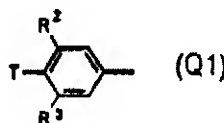
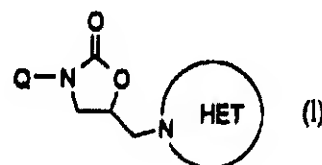
(54) Title of the invention: OXAZOLIDINONE DERIVATIVES WITH ANTIBIOTIC ACTIVITY

(51) International classification: C07D 491/10	(71) Name of the Applicant:
(30) Priority Data :	ASTRAZENECA AB
(31) Document No.: 0009803.8	Address of the Applicant:
(32) Date : 25/04/2000	S-151 85 SODERTALJE
(33) Name of convention country : UNITED KINGDOM	
(66) Filed U/s. 5(2) : YES	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	1) GRAVESTOCK MICHAEL BARRY
(63) Divisional to Application No.: NIL	2) BETTS MICHAEL JOHN
(64) Filed on: N.A.	3) GRIFFIN DAVID ALAN
	4) MATTHEWS IAN RICHARD

(57) Abstract :

Compounds of formula (I), or a pharmaceutically-acceptable salt, or an in-vivo-hydrolysable ester thereof, wherein HE¹ is an N-linked 5-membered heteroaryl ring, optionally substituted on a C atom by an oxo or thioxo group; and/or by 1 or 2(1-4C) alkyl groups; and/or on an available nitrogen atom by (1-4C)alkyl; or HET is an N-linked 6-membered heteroaryl ring containing up to three nitrogen heteroatoms in total, optionally substituted on a C atom as above; Q is selected from, for example, (Q1), R² and R³ are independently hydrogen or fluoro; T is selected from a range of groups, for example, of formula (TC5), wherein Rc is, for example, R¹³CO-, R¹³SO₂- or R¹³CS-; wherein R¹³ is, for example, optionally substituted (1-10C)alkyl or R¹⁴C(O)O(1-6C)alkyl wherein R¹⁴ is optionally substituted (1-10C)alkyl; are useful as antibacterial agents; and processes for their manufacture and pharmaceutical compositions containing them are described.

Figure : NIL



Publication After 18 months.

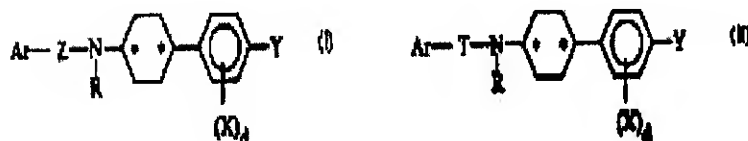
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01364/MUM A (22) Date of filing of Application: 01/10/2002
(PCT/US01/13176)

(54) Title of the invention: **CYCLOHEXYLAMINE DERIVATIVE AS SUBTYPE SELECTIVE NMDA RECEPTOR ANTAGONISTS**

<p>(51) International classification: C07C 215/54</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/199,762</p> <p>(32) Date : 26/04/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>WARNER -LAMBERT COMPANY</p> <p>Address of the Applicant:</p> <p>201 TABOR ROID, MORRIS PLAINS, NJ 07950</p> <p>(72) Name of the Inventors:</p> <p>1) DEORAZIO RUSSELL JOSEPH 2) NIKAM SHAM SHRIDHAR 3) SCOTT LAN LESLIE 4) SHERER BRIAN ALAN 5) WISE LAWRENCE DAVID</p>
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(57) Abstract :



Described are compounds of formula I and formula II and their pharmaceutically acceptable salts. The compounds of Formulas I and II are antagonists of NMDA receptor channel complexes useful for treating cerebral vascular disorders such as, for example, cerebral ischemia, cardiac arrest, stroke, and parkinson's disease.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

(21) Application IN/PCT/2002/01365/MUM A (22) Date of filing of 01/10/2002
No.: (PCT/CH00/00346) Application:

(54) Title of the invention: BONE PLATE FOR OSTEOSYNTHESIS

<p>(51) International classification: A61B 17/80</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : NIL</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SYNTHES AG CHUR</p> <p>Address of the Applicant:</p> <p>GRABENSTRASSE 15, CH-7002 CHUR</p> <p>(72) Name of the Inventors:</p> <p>1) FRIGG ROBERT</p> <p>2) FERUS ROBERT</p>
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(57) Abstract : The invention relates to a bone plate (1) for osteosynthesis. Said bone plate has a top surface (2), a bottom surface (3) on the bone side and several holes (5) linking said top and bottom surfaces (2, 3), said holes being located along the longitudinal axis (4) of the plate and having central axes (6) for receiving bone screws (10). Two of the holes (5) have a built-up section (8) in the form of a hollow cone, which projects beyond the bottom surface (3) and which is concentric in relation to the central axis (6). The bone plate guarantees angular and axial stability, even for a relatively thin plate.

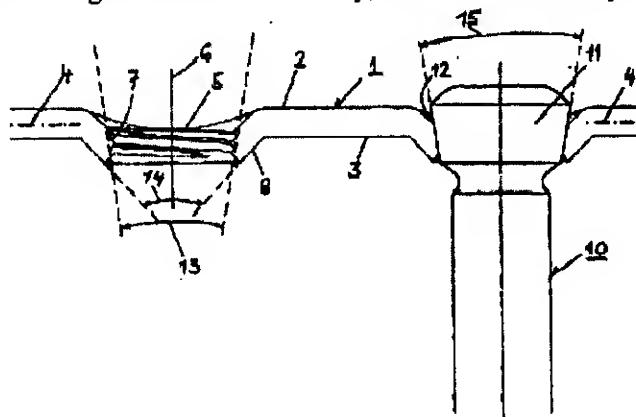


Figure : 1

Publication After 18 months

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

(21) Application IN/PCT/2002/01366/MUM A (22) Date of filing of 03/10/2002
No.: (PCT/EP01/02763) Application:

(54) Title of the invention: **SOLID DISPERSIBLE ABRASIVE COMPOSITIONS**

<p>(51) International classification: C11D 3/14</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 00302869.3</p> <p>(32) Date : 05/04/2000</p> <p>(33) Name of convention country : EUROPE</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>HINDUSTAN LEVER HOUSE, 165,166 BACKBAY RECLAMATION, MAHARASHTRA, 400 020, INDIA.</p> <p>(72) Name of the Inventors:</p> <p>1) BRIGGS STEPHEN 2) CURTIS RICHARD JOHN 3) INSTONE TERRY 4) KYNASTON STEVEN JAMES 5) PERRY JANETTE</p>
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(57) Abstract : The invention provides dry compositions comprising a solid abrasive (preferably at least 65 %) and a suspending system (preferably at least 0.1%) suitable to obtain a stable suspension on mixing with a liquid medium. Suitable suspending systems are based on a surfactants or surfactant mixtures which are able to form a lamellar micelle phase after mixing with the liquid medium or on polymeric thickening systems. The preferred liquid medium is water. The dry abrasive compositions are free flowing and easily dispersible in water by the consumer to obtain a ready – to –use liquid abrasive cleaner.

Figure : Nil

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01367/MUM A (22) Date of filing of 03/10/2002
No.: (PCT/EP01/03601) Application:

(54) Title of the invention: **PROCESS AND APPARATUS FOR THE PRODUCTION OF A DETERGENT BAR**

<p>(51) International classification: C11D 13/18</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0008553.0</p> <p>(32) Date : 06/04/2000</p> <p>(33) Name of convention country : UNITED-KINGDOM</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>HINDUSTAN LEVER HOUSE, 165,166 BACKBAY RECLAMATION, MAHARASHTRA, 400 020, INDIA.</p> <p>(72) Name of the Inventors:</p> <p>1) BROWNE MICHAEL ANDREW 2) LLOYD PAUL 3) MANI SUDHIR 4) OVERTON CHRISTINE ANN 5) STOCKER FREDERICK EDMUND</p>

(57) **Abstract :** In an apparatus and process for manufacturing a detergent bar, the bar comprises a first distinct zone comprising a first component and at least a second distinct zone comprising a second component. In an injection step, the first and second components are injected into the mould cavity via nozzle means having a first orifice through which the first component is injected. The second component is injected through a second orifice of the nozzle means. The first and second components solidify in the cavity to form the bar. The interface between the zones may be non-planar and-or such that the zones cannot be separated by a unidirectional cut. The first and second zones may respectively comprise detergent and a benefit agent. The first and second zones may differ in texture.

Figure : Nil

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01368/MUM A (22) Date of filing of Application: 03/10/2002
(PCT/EP00/04176)

(54) Title of the invention: A CONTAINER ASSEMBLY FOR FERTILIZATION AND CULTURE AND EMBRYO TRANSFER AND METHOD OF FERTILIZATION AND CULTURE EMPLOYING SUCH A CONTAINER

<p>(51) International classification: A61B 17/435</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : NIL</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>BIOFER-TEC LTD.</p> <p>Address of the Applicant:</p> <p>SUITE 11, 540 MAINE STREET, WINCHESTER, MA 01890</p> <p>(72) Name of the Inventors:</p> <p>1) RANOUX CLAUDE 2) GLEASON FRNCIS G. JR.</p>

(57) Abstract : A fertilization and culture container, e.g. for intravaginal use, comprises a container body having an orifice for introducing a culture medium, one or more oocytes and sperm, resealable closure means for selectively opening and closing the container body orifice, the container body having a main chamber for receiving the culture medium, oocytes and sperm and a microchamber for collecting for retrieval of one or more embryos. The container body has means for restricting access of retrieval catheter or pipette relative to the microchamber. At least a portion of a sidewall of the container body defining said microchamber is transparent and of optical quality for microscopic inspection of embryos prior to and/or during retrieval with a catheter or a pipette.

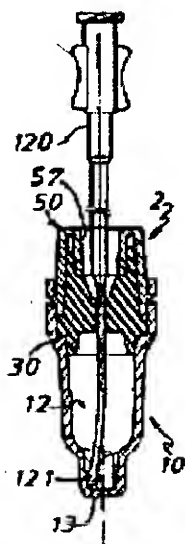


Figure : 13

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01369/MUM A (22) Date of filing of 03/10/2002
No.: (PCT/EP01/03520) Application:

(54) Title of the invention: METHOD FOR PRODUCING 4-HYDROXY-3-NITROBIPHENYL

(51) International classification: C07C 205/22	(71) Name of the Applicant:
(30) Priority Data :	BAYER AKTIENGESELLSCHAFT
(31) Document No.: 100 17 818.9	Address of the Applicant:
(32) Date : 10/04/2000	51368 LEVERKUSEN
(33) Name of convention country : GERMANY	
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	1) BEHRE HORST
(63) Divisional to Application No.: NIL	2) DOCKNER MICHAEL
(64) Filed on: N.A.	3) KLAUSENER ALEXANDER

(57) Abstract : The invention relates to a method for producing 4-hydroxy-3-nitrobiphenyl on the basis of 4-hydroxybiphenyl by highly selective and effective nitration in the vicinal position to the phenolic hydroxy group, whereby the azotic acid used as the nitration reagent is added to the reaction system in a specific manner.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01370/MUM A (22) Date of filing of 03/10/2002
No.: (PCT/EP01/04727) Application:

(54) Title of the invention: **A DEVICE FOR DISCHARGING DUST FROM A DRY DUST COLLECTOR OF A BLAST FURNACE**

<p>(51) International classification: C21B 7/22</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 90585</p> <p>(32) Date : 26/04/2000</p> <p>(33) Name of convention country : LUXEMBOURG</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>PAUL WURTH S. A.</p> <p>Address of the Applicant:</p> <p>32, RUE D' ALSACE, L-1122 LUXEMBOURG</p> <p>(72) Name of the Inventors:</p> <p>1) KROEMMER YVAN 2) CONNE NORBERT</p>
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(57) Abstract :

A device for discharging dust from a dry dust collector of a blast furnace (10) comprises a dust discharge valve (18) located downstream of a dust discharge opening (16) of the dry dust collector (10) and a fully enclosed dust conveying system (22) located downstream of the dust discharge valve (18). It further comprises a control system (32) that is designed so as to control the opening of the dust discharge valve (18) in function of the residual conveying capacity of the dust conveying system.

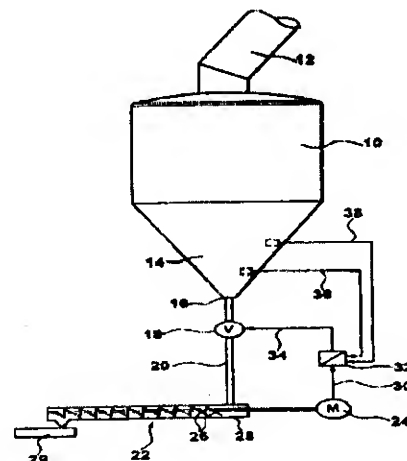


Figure : 1

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01371/MUM A (22) Date of filing of 03/10/2002
No.: (PCT/US01/11645) Application:

(54) Title of the invention: **SLURRIES OF ABRASIVE INORGANIC OXIDE PARTICLES AND METHOD FOR POLISHING COPPER CONTAINING SURFACES**

<p>(51) International classification: C09G 1/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/551,935</p> <p>(32) Date : 20/04/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>W.R. GRACE & CO-CONN.</p> <p>Address of the Applicant:</p> <p>1114 AVENUE OF THE AMERICAS, NEW YORK, NY 10036</p> <p>(72) Name of the Inventors:</p> <p>PRYOR JAMES NEIL</p>

(57) Abstract :

Oxidizing agents are added to slurries of inorganic oxides which have been heated, e.g., autoclaved, to produce abrasive slurries which impart relatively equal polishing rates for conductive metal and insulating layers used to make semiconductor chips. A relatively flexible abrasive slurry in terms of its abrasivity is also provided by this slurry, thereby permitting the modification of a copper polishing slurry's abrasivity when a new insulating material is used to make a chip. When using this method, an increase in particle abrasivity of this slurry can be correlated with a decrease in particle surface area as determined by N₂ adsorption (BET method) and abrasivity can be increased (or decreased) by heating the slurry to produce particles with a surface area determined to have the abrasivity desired. The method is particularly suitable for preparing silica-based abrasive slurries and the slurries prepared are particularly useful for polishing chips made with copper conductive circuits and silica-based insulating layers.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

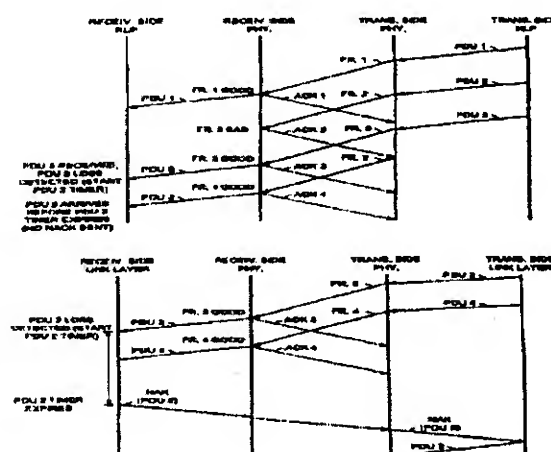
- (21) Application No.: **IN/PCT/2002/01372/MUM A** (22) Date of filing of Application: **03/10/2002**
 (54) Title of the invention: **COOPERATION OF ARQ PROTOCOLS AT PHYSICAL AND LINK LAYERS FOR WIRELESS COMMUNICATIONS**

(51) International classification: H04L 1/18	(71) Name of the Applicant:
(30) Priority Data :	NORTEL NETWORKS LIMITED
(31) Document No.: 60/197,553	Address of the Applicant:
(32) Date : 17/04/2000	2351 BOULEVARD ALFRED-NOBEL
(33) Name of convention country : U.S.A.	ST. LAURENT QUEBEC H4S 2A9,
(66) Filed U/s. 5(2) : NO	CANADA,
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	1) FONG MO-HAN
(63) Divisional to Application No.: NIL	2) STRAWCZYNSKI LEO L.
(64) Filed on: N.A.	3) WU GENG
	4) TONG WEN

(57) Abstract :

A base station, mobile station, and/or other terminal device includes physical layer (layer 1) protocol and link layer (layer 2) protocol that both include automatic retransmission request (ARQ) operations. The physical layer and link layer include enhancements that interact with one another to cause the link layer to inhibit ARQ operations while error recovery operations are pending at the physical layer. A transmitter packages link layer packet data units into physical layer frames and transmits the physical layer frames. A receiver responds to indicate either successful or unsuccessful transmission. The transmitting physical layer waits for the response and initiates error recovery operations when required. The receiving link layer, when it detects lost data packets, inhibits its ARQ operations to allow physical layer error recovery operations to complete.

Figure : **NIL**



Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01373/MUM A (22) Date of filing of 03/10/2002
No.: (PCT/US00/31370) Application:

(54) Title of the invention: **METHOD FOR CONVERTING OXYGENATES TO OLEFINS**

<p>(51) International classification: C10G 3/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: PCT/US00/12560</p> <p>(32) Date : 09/05/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>EXXON CHEMICAL PATENTS INC.</p> <p>Address of the Applicant:</p> <p>5200 BAYWAY DRIVE, BAYTOWN, TX 77520</p> <p>(72) Name of the Inventors:</p> <p>1) LATTNER JAMES R. 2) VAUGHN STEPHEN N. 3) KUECHLER KEITH H. 4) SKOUBY DAVID C. 5) SUN HSIANG-NING</p>
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(57) Abstract :

The present invention provides a method for converting a feed containing oxygenates to olefins and comprises the following steps: providing a feed including an oxygenate; contacting the feed in a reactor apparatus with a catalyst including a molecular sieve, the contacting taking place under conditions effective to convert the oxygenate to a product including a light olefin, the conditions including a gas superficial velocity of at least two meters per second at least one point in the reaction zone; and recirculating a first portion of the catalyst to recontact the feed.

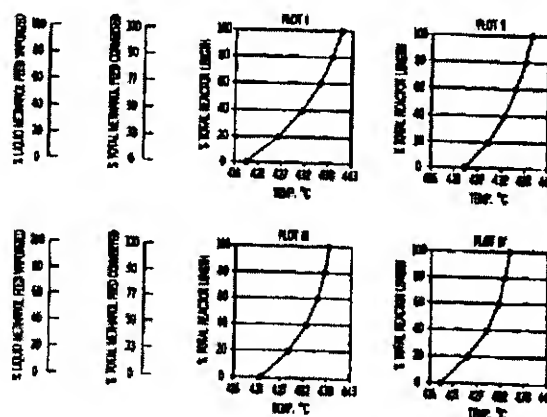


Figure : 1

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01374/MUM A (22) Date of filing of Application: 03/10/2002
(PCT/US01/40393)

(54) Title of the invention: APOMORPHINE DERIVATIVES AND METHODS FOR THEIR USE

<p>(51) International classification: A61K 31/473</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/195,650</p> <p>(32) Date : 07/04/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>TAP PHARMACEUTICAL PRODUCTS INC.</p> <p>Address of the Applicant:</p> <p>675 NORTH FIELD DRIVE, LAKE FOREST, IL 60045, U.S.A.</p> <p>(72) Name of the Inventors:</p> <p>1) GUPTA PRAMOD K. 2) SUTKOWSKI –MARKHAM DEBRA 3) MILKOWSKI DEBORAH</p>

(57) Abstract : A pomorphine derivative compounds; pharmaceutically active compositions of apomorphine derivative compounds; and the use of apomorphine derivative compounds in methods for treating sexual dysfunction or for enhancing apomorphine effectiveness for patients treated with apomorphine are disclosed. The apomorphine derivatives may be esters, ethers, amides, mixed anhydrides, hemiacetals, glucuronates, sulfates or phosphonates. A preferred apomorphine derivative is norapomorphine.

Figure : NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) **Application No.:** IN/PCT/2002/01375/MUM A (PCT/DE01/00212) (22) **Date of filing of Application:** 04/10/2002

(54) **Title of the invention:** GILLED PIPE

(51) International classification: B21C 37/26	(71) Name of the Applicant:
(30) Priority Data :	BRUNDERMANN GEORG
(31) Document No.: 100 20 011.7	Address of the Applicant:
(32) Date : 22/04/2000	HAUPTSTRASSE 32, 49832 THUINE
(33) Name of convention country : GERMANY	
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	BRUNDERMANN GEORG
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract :

The invention relates to a method for producing gilled metal pipes (1). According to said method, at least one continuous, gill-forming strip (4) is applied to a rotating pipe body (2) at a tangent and unwound onto the pipe body in an approximately helical line. The side of the strip facing towards the pipe body (2) is connected to the pipe surface by means of a welding device (8), using an additional material. The welding process is optimised and the finishing quality increased by moulding a web that is bent at right angles to the strip that forms the gills before said strip is unwound onto the pipe body (2). The strip is preferably bent into a U-shape and the web, which runs between the two limbs of the U-shape, is guided flatly on the pipe body.

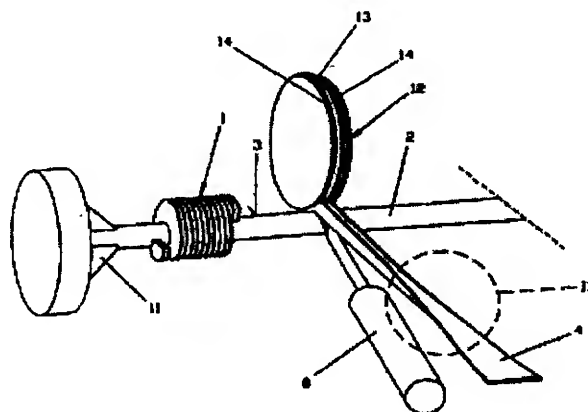


Figure : 1

Publication After 18 months

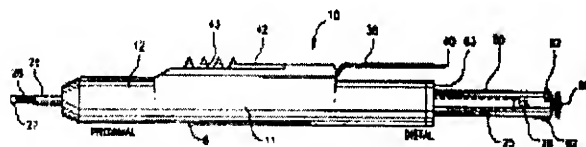
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01376/MUM A (22) Date of filing of 04/10/2002
No.: (PCT/US01/40436) Application:

(54) Title of the invention: **LOW COST DISPOSABLE NEEDLELESS INJECTOR SYSTEM FOR VARIABLE AND FIXED DOSE APPLICATIONS**

(51) International classification: A61M 5/30	(71) Name of the Applicant:
(30) Priority Data :	EQUIDYNE SYSTEMS INC.
(31) Document No.: 1) 60/195,389 2) 09/751,525	Address of the Applicant:
(32) Date : 1) 07/04/2000 2) 29/12/2000	11770 BEMARDO PLAZA COURT, SUITE 351, SAN DIEGO, CA 92128
(33) Name of convention country : U.S.A.	
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	PARSONS J. STUART
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract :



A disposable needleless injection device includes an integral unit that is dimensioned and arranged to be grasped in the hand of a user. The system is spring-loaded and is manufactured and shipped with the spring (13) in a pre-cocked condition. An integral ampule (50) is fillable by manipulation of a thrust rod/shaft which extends longitudinally through the device and is able to be grasped by a user. Once the unit is filled with a selected medication, it is held proximate the skin in order to inject the selected dosage. The unit is constructed from a maximum of eight component parts and is assembled in a matter of moments by unskilled personnel.

Figure : 1

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01377/MUM A (22) Date of filing of 04/10/2002
No.: (PCT/US01/10664) Application:

(54) Title of the invention: LIQUID ANTIOZONANTS AND RUBBER COMPOSITIONS
CONTAINING SAME

(51) International classification: C08K 5/18	(71) Name of the Applicant:
(30) Priority Data :	UNIROYUAL CHEMICAL COMPANY INC.
(31) Document No.: 09/552,098	Address of the Applicant:
(32) Date : 19/04/2000	199 BENSON ROAD, MIDDLEBURY, CT 06749
(33) Name of convention country : U.S.A.	
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	1) MALZ RUSSELL E.
(63) Divisional to Application No.: NIL	2) REYNOLDS MICHAEL E.
(64) Filed on: N.A.	3) GENCARELLI RICHARD A.

(57) Abstract :

Liquid antiozonant mixtures obtained from the process comprising simultaneously reacting at least one unsubstituted and/or substituted paraphenylenediamine compound with a carbonyl compound mixture comprising acetone and at least one other carbonyl compound selected from the group consisting of ketones containing from 4 to about 12 carbon atoms, aldehydes containing from 1 to about 12 carbon atoms and mixtures thereof in the presence of a reductive alkylation catalyst is provided. Rubber compositions containing the liquid antiozonant mixtures is also provided.

Figure: NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01378/MUM A (22) Date of filing of Application: 04/10/2002
(PCT/US01/12755)

(54) Title of the invention: TURBO DECODER WITH DECISION FEEDBACK EQUALIZATION

(51) International classification: H03M 13/23

(30) Priority Data :

(31) Document No.: 09/563,064

(32) Date : 24/04/2000

(33) Name of convention country : U.S.A.

(66) Filed U/s. 5(2) : NO

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

MOTOROLA INC.

Address of the Applicant:

1303 EAST ALGONQUIN ROAD,
SCHAUMBURG, IL 60196, U.S.A.

(72) Name of the Inventors:

- 1) YU XIAOYONG
- 2) TAN MING
- 3) ZHU MANG

(57) Abstract :

A decoder (150) equalizes a turbo coded signal with intersymbol interference by performing a decision-feedback equalization in each iteration of the turbo decoding process. In each iteration process, two recursion processors (DEC1 and DEC2) calculate soft output values for the information bits and the coded bits of the signal as well. Hard output values are derived from the soft output values. A decision feedback equalizer (100) in an iterative loop (160) of the decoder receives the hard output values uses these to provide a correction for the intersymbol interference. Thereafter, the decision feedback signal applies the correction signal to the input signal to minimize the intersymbol interference.

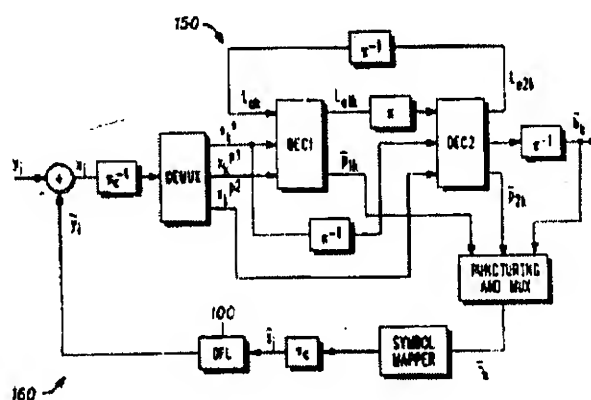


Figure: 5

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01379/MUM A (22) Date of filing of 04/10/2002
No.: (PCT/EP01/05256) Application:

(54) Title of the invention: **IMPROVING THE PERFORMANCE OF A CDMA SYSTEM**

<p>(51) International classification: H04Q 7/38</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 011114.6</p> <p>(32) Date : 08/05/2000</p> <p>(33) Name of convention country : UNITED KINGDOM</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>MOTOROLA INC.</p> <p>Address of the Applicant:</p> <p>1303 E. ALGONQUIN ROAD, IL01-3rd FLOOR, SCHAUMBURG</p> <p>(72) Name of the Inventors:</p> <p>1) ROBINSON WILLIAM NEIL 2) WHINNETT NICHOLAS WILLIAM</p>
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(57) Abstract :

A method for utilising resources of a CDMA telecommunications system comprising a plurality of base stations and one or more mobile terminal is disclosed, which method comprises causing the base stations to indicate, to the one or more terminals, whether they have unused capacity and causing one or more of the mobile terminals to change or maintain constant its data rate dependent upon the unused capacity indication received from the base stations. A contention resolution phase may be used so that only sufficient terminals increase their data rate to accommodate the unused capacity.

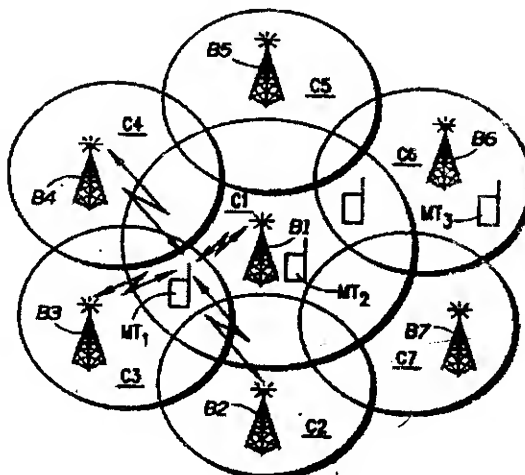


Figure: 1

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01380/MUM A (22) Date of filing of Application: 04/10/2002
(PCT/JP01/03422)

(54) Title of the invention: **HIGH-FREQUENCY DISCHARGE EXCITED OXYGEN GENERATOR FOR IODINE LASER AND HIGH-FREQUENCY DISCHARGE EXCITED OXYGEN GENERATING METHOD**

<p>(51) International classification: H01S 3/095</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2000-121846</p> <p>(32) Date : 21/04/2000</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>FUJISAKI ELECTRIC CO. LTD. Address of the Applicant:</p> <p>1-38, TATSUMI-CHO, ANAN-SHI, TOKUSHIMA 774-0001, JAPAN</p> <p>(72) Name of the Inventors:</p> <p>1) FUJII HIROO 2) SCHMIED BERGER JOSEF 3) OKAMURA MINORU 4) YOSHITANI AIJI</p>
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(57) Abstract :

A high-frequency discharge excited oxygen generator comprises a hollow cathode where a plasma channel (3) opens, an anode (4) disposed on the exhaust side of the hollow cathode (2) and insulated from the hollow cathode (2), and a high-frequency power supply (5) for supplying high-frequency power to the space between the anode (4) and the hollow cathode (2). O₂ gas or a mixture gas of O₂ gas and another gas is supplied to the plasma channel (3) so as to generate singlet excited oxygen. The excited oxygen generator further comprises an injector (10) for supplying NO gas toward the center of the plasma channel (3) disposed on the supply side of the plasma channel (3). The NO gas supplied to the central portion of the plasma channel (3) is not dissociated into nitrogen and oxygen and excites O₂ gas to excited oxygen.

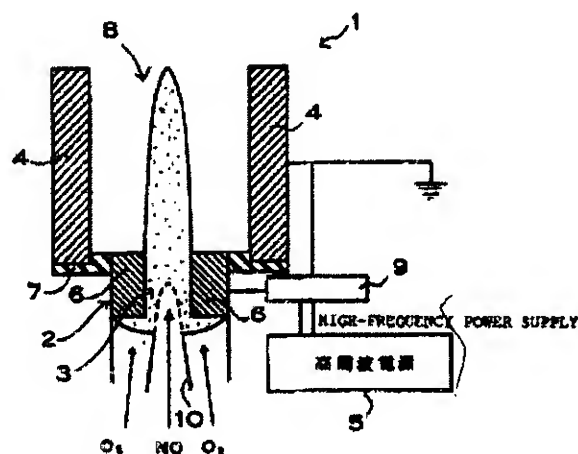


Figure: 4

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01381/MUM A (22) Date of filing of 04/10/2002
No.: (PCT/CA01/00386) Application:

(54) Title of the invention: RETRACTABLE ANTENNA FOR PERSONAL COMPUTER CARD

<p>(51) International classification: H01Q 1/24</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/534,016</p> <p>(32) Date : 24/03/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SIERRA WIRELESS INC.</p> <p>Address of the Applicant:</p> <p>SUITE 150, 13575 COMMERCE PARKWAY, RICHMOND, BRITISH COLUMBIA V6V 2L1</p> <p>(72) Name of the Inventors:</p> <p>1) VANDERHELM RON 2) MOU WEI 3) GLEENER ANDREY</p>
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(57) Abstract :

A device for providing wireless communication is disclosed. The device includes an antenna mounted on a personal computer card. The antenna has a pivotal connection for pivoting the antenna and a rotatable connection for rotating the antenna in a direction which differs from the direction of rotation. The antenna is rotatable about two axes and is retractable. In the extended position, the antenna is electrically connected with the personal computer card and can receive and transmit signals. The antenna also has a base which is detachably mounted to the personal computer card so that the antenna can be removed from said personal computer card and replaced.

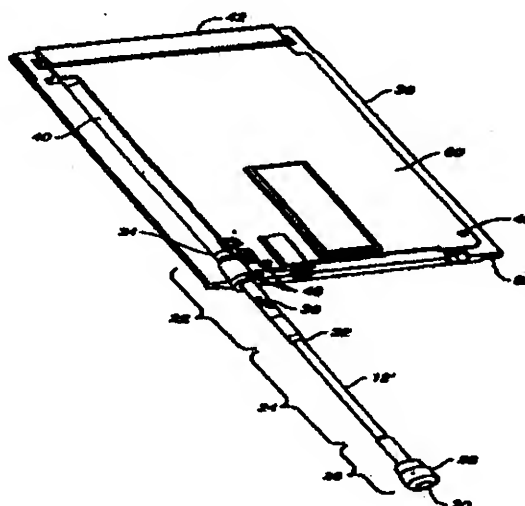


Figure: 4

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01382/MUM A (22) Date of filing of Application: 04/10/2002
(PCT/JPO2/01397)

(54) Title of the invention: IMAGE PROCESSING DEVICE

<p>(51) International classification: G06T 7/20</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-41554</p> <p>(32) Date : 19/02/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SONY CORPORATION</p> <p>Address of the Applicant:</p> <p>7-35 KITASHINAGAWA 6-CHOME, SHINAGAWA-KU, TOKYO, 141-0001 JAPAN</p> <p>(72) Name of the Inventors:</p> <p>1) KONDO TETSUJIRO 2) FUJIWARA NAOKI 3) ISHIBASHI JUNICHI 4) SAWAO TAKASHI 5) NAGANO TAKAHIRO 6) MIYAKE TORU 7) WADA SEIJI</p>
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(57) Abstract :

An image processing device capable of determining the mixing ratio indicating the mixed state of a plurality of objects. A normal equation adding unit (441) extracts not only mixed pixel data but also background pixel data corresponding to the mixed pixel data and creates a relation of the mixed pixel data and the background pixel data. On the basis of the relation, a normal equation operating unit (442) calculates one mixing ratio for a predetermined number of consecutive frames. The image processing device can find an application considering the difference between the signal generated by a sensor and the real world.

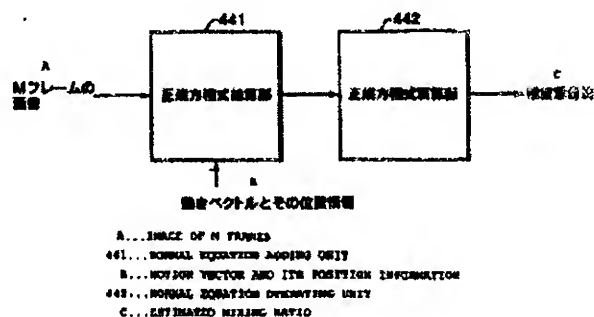


Figure: 54

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01383/MUM A (22) Date of filing of 07/10/2002
No.: (PCT/EP01/13479) Application:

(54) Title of the invention: DETERGENT COMPOSITIONS

<p>(51) International classification: C11D</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 07/718,469 2) PCT/EPOO/11815 3) 0031504.4 4) 01306604.8</p> <p>(32) Date : 1) 21/11/2000 2) 24/11/2000 3) 22/12/2000 4) 01/08/2001</p> <p>(33) Name of convention country : 1) U.S.A. 2) EUROPE 3) GREAT BRITAN 4) EUROPE</p> <p>(56) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LIVER LTD.</p> <p>Address of the Applicant:</p> <p>HINDUSTAN LIVER HOUSE, 165-166 BACKBAY RECLAMATION, 400 020 MUMBAI, INDIA</p> <p>(72) Name of the Inventors:</p> <p>1) BEER OLAF CORNELIS 2) BERDEN ERIK, CHRISTIAAN 3) LAMMERS RENE 4) SANDERSON ALASTAIR RICHARD</p>
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(57) Abstract : A detergent table or region thereof compacted particulate compacted from a particulate composition comprising; a) 25% to 100% wt of the composition of base particles, comprising by weight of themselves: from 15% to 40%wt organic surfactant comprising either (i) no more than 5% primary alkyl sulphate or (ii) comprising alkylbenzene sulphonate, from 20% to 60%wt aluminosilicate detergency builder, and from 0 to 60%wt other ingredients, and b) 0 to 75%wt of the composition of other materials mixed with these particles, and wherein the composition comprises from 5% to 60%wt of the composition of sodium tripolyphosphate having at least 50% by weight thereof in the phase I form. The tablets have a good combination of strength and disintegration properties.

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01384/MUM A (22) Date of filing of 07/10/2002
No.: (PCT/US01/16937) Application:

(54) Title of the invention: PRODUCTION OF SILK-LIKE PROTEINS IN PLANTS

(51) International classification: C12N 15/82	(71) Name of the Applicant:
(30) Priority Data :	E.I. DUPONT DE NEMOURS AND COMPANY
(31) Document No.: 60/206,968	Address of the Applicant:
(32) Date : 25/05/2000	LEGAL PATENT RECORDS CENTER, 1007 MARKET STREET, WILMINGTON, DE 19898, U. S. A.
(33) Name of convention country : U. S. A.	(72) Name of the Inventors:
(66) Filed U/s. 5(2) : NO	YANG JIANJUN GENE
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : The invention provides methods for the production of silk and silk-like proteins (SLP's) in green plants. Expression of SLP's has been achieved in both seed and leaf tissue in green plants.

Figure: NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01385/MUM A (22) Date of filing of Application: 07/10/2002
(PCT/US01/15324)

(54) Title of the invention: PHOSPHATE TRANSPORT INHIBITORS

<p>(51) International classification: A61K 31/18</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/203,995</p> <p>(32) Date : 12/05/2000</p> <p>(33) Name of convention country : U. S. A.</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SMITHKLINE BEECHAM CORPORATION</p> <p>Address of the Applicant:</p> <p>ONE FRANKLIN PLAZA, PHILADELPHIA, PA 19103, U. S. A.</p> <p>(72) Name of the Inventors:</p> <p>1) WEINSTOCK JOSEPH 2) GIRARD GERALD 3) GAITANOPOULOS DIMITRI</p>

(57) Abstract : N-Aryl-2-sulfonamidobenzamides, useful for treatment of chronic renal failure and uremic bone disease, are disclosed.

Figure: NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01386/MUM A (22) Date of filing of 07/10/2002
No.: (PCT/US01/13284) Application:

(54) Title of the invention: ETHYLENE OXIDE CATALYST

(51) International classification: B01J 23/50	(71) Name of the Applicant:
(30) Priority Data :	SCIENTIFIC DESIGN COMPANY INC.
(31) Document No.: 09/562,320	Address of the Applicant:
(32) Date : 01/05/2000	49, INDUSTRIAL AVENUE, LITTLE FERRY, NJ 07643 1901, U. S. A.
(33) Name of convention country : U. S. A.	(72) Name of the Inventors:
(66) Filed U/s. 5(2) : NO	1) RIZKALLA NABIL
(61) Patent of addition to application No.: NIL	2) PAK SERQUEI
(62) Filed on : N.A.	3) SCHMITZ ANDREW D.
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : A silver catalyst for ethylene oxidation to ethylene oxide is provided containing a promoter combination consisting of critical amounts of an alkali metal component and a sulfur component, the catalyst being essentially free of rhenium and transition metal components; optionally the catalyst contains a fluorine component.

Figure: NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01387/MUM A (22) Date of filing of Application: 07/10/2002
(PCT/US01/11217)

(54) Title of the invention: **PROTEINS DEPOSITED ONTO SPARINGLY SOLUBLE BIOCOMPATIBLE PARTICLES FOR CONTROLLED PROTEIN RELEASE INTO A BIOLOGICAL ENVIRONMENT FROM A POLYMER MATRIX**

<p>(51) International classification: A61K 9/14</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 60/195,700 2) 09/827,100</p> <p>(32) Date : 1) 07/04/2000 2) 05/04/2000</p> <p>(33) Name of convention country : U. S. A.</p> <p>(36) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>MACROMED INC.</p> <p>Address of the Applicant:</p> <p>9520 SOUTH STATE STREET, SANDY, UT 84070, U. S. A.</p> <p>(72) Name of the Inventors:</p> <p>1) SHIH CHUNG 2) ZENTNER GAVLEN 3) PIAO AI-ZHI</p>

(57) Abstract : The present invention relates to compositions and methods for the modulated release of one or more proteins or peptides. The compositions is comprised of a biocompatible polymeric matrix, a protein and/or peptide, and a sparingly water-soluble or essentially insoluble particle. The protein is deposited by adsorption or some other mechanism onto the sparingly water-soluble biocompatible particle wherein the protein-particle combination is dispersed within the polymeric matrix. The deposition of the protein onto the particle acts to modulate the release of the protein or peptide from dosage forms including long-acting dosage systems.

Figure: NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01388/MUM A (22) Date of filing of Application: 07/10/2002
(PCT/EP01/04350)

(54) Title of the invention: TEAT RUBBER

(51) International classification: A01J 5/08

(30) Priority Data :

(31) Document No.: 100 18 870.2

(32) Date : 14/04/2000

(33) Name of convention country : SWDEN

(66) Filed U/s. 5(2) : NO

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

LINCKE KATHRIN

Address of the Applicant:

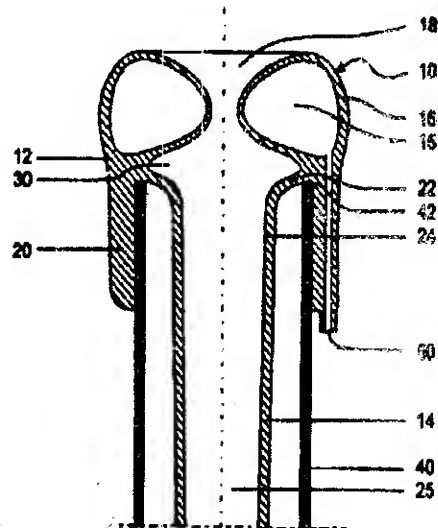
FRUHLINGSTRASSE 10,86842
TURKHEIM

(72)

Name of the Inventors:

LINCKE KATHRIN

(57) Abstract :



The invention relates to a teat rubber for a substantially undeformable milking cup sleeve (40) for forming a two-chambered milking cup, by means of which milk is extracted from a teat in a suction milking process through a milking vacuum during a suctioning stroke and the teat is massaged during a relief stroke, wherein the teat rubber comprises a head part (12) that is substantially rotationally symmetrical relative to its longitudinal axis and a shaft part (14) that is connected to the head part (12) by means of a transitional part (22), wherein the shaft part (14) is flexible, it surrounds the teat and reacts to the alternating changes in pressure during the suctioning and relief strokes by changing its form. The head part (12) is embodied as an annular tube (16), which forms an insertion hole (18) for the teat (Z), and which ensures sealing relative to the milking vacuum and the best possible grip of the teat rubber to the teat without excessively contracting the teat both during the suctioning and the relief strokes. The annular tube (16) is configured in such a way that an

annular hollow space (3) is defined by the teat, the transitional part (22) and the annular tube (16) once the teat is introduced into the shaft part (14). The diameter inside the annular tube (16) is smaller during the suctioning stroke than the diameter inside the area of the shaft part (14) provided for the teat. The annular tube (16) is so flexible that its inner diameter can be enlarged radially outward during introduction of the teat and its axial length can be changed

Figure: 1

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application IN/PCT/2002/01389/MUM A (22) Date of filing of 07/10/2002
No.: (PCT/US01/10081) Application:
- (54) Title of the invention: POLYMERIZABLE COMPOSITION OF ALLYL FUNCTIONAL MONOMERS

<p>(51) International classification: C08F 218/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 09/546,267 2) 09/630,074</p> <p>(32) Date : 1)10/04/2000 2) 01/08/2000</p> <p>(33) Name of convention country : U. S. A.</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>PPG INDUSTRIES OHIO, INC.</p> <p>Address of the Applicant:</p> <p>3800 WEST 143RD STREET, CLEVELAND, OH 44111. U. S. A.</p> <p>(72) Name of the Inventors:</p> <p>1) DAUGHENBAUGH RANDY E. 2) HEROLD ROBERT D.</p>

(57) Abstract : Describes a polymerizable composition of (a) a first allyl functional monomer, which is selected such that a substantially completely cured polymerizate of the first allyl functional monomer has a 15 second Barcol 934 hardness of at least 40, and (b) a second allyl functional monomer selected from polyether diol bis (allyl carbonate), polylactone diol bis (allyl carbonate) and mixtures thereof. The second allyl functional monomer is present in the composition in an amount to provide a substantially completely cured polymerizate having: (i) improved organic photochromic substance incorporation relative to a substantially completely cured polymerizate of the composition free of monomer (b); and (ii) heat distortion temperature of at least 40 °C.

Figure: NIL

2 Months - 4 to 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01391/MUM A (22) Date of filing of Application: 10/10/2002
(PCT/EP01/02810)

(54) Title of the invention: **PROCESS FOR PREPARING FLUID DETERGENT COMPOSITION**

<p>(51) International classification: C11D 11/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0009087.8</p> <p>(32) Date : 12/34/2000</p> <p>(33) Name of convention country : UNITED-KINGDOM</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on : N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MAHARASHTRA, 400 020 MUMBAI, INDIA</p> <p>Name of the Inventors:</p> <p>(72) KAESS ANDRE</p>

(57) Abstract : A process for the preparation of fluid detergent product comprising an anionic surfactant in which the acid precursor of the anionic surfactant is fed through at least two mixing devices, sufficient neutralizing agent to neutralize 25-75 wt% of the acid precursor being fed to the first mixing device, and sufficient neutralizing agent to complete neutralization being added to the mixture from the first mixing device to substantially complete neutralization by the time the process stream exits the final mixing device, wherein the initial liquid component and the process stream are kept at pumpable temperature at all times during the process

Figure: Nil

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01392/MUM A (22) Date of filing of 10/10/2002
No.: (PCT/EP01/03589) Application:

(54) Title of the invention: FEBRIC CARE COMPOSITION

(51) International classification: C11D 3/37	(71) Name of the Applicant: HINDUSTAN LEVER LIMITED
(30) Priority Data :	Address of the Applicant: HINDUSTAN LIVER HOUSE, 165/166 BACKBAY RECLAMATION, MAHARASHTRA, MUMBAI 400 020, INDIA
(31) Document No.: 0009343.5	
(32) Date : 14/04/2000	
(33) Name of convention country : GREAT BRITAIN	
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors: MOONEY WILLIAM
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : A fabric care composition comprises a perfume and a compound which is obtainable by the reaction of epichlorohydrin with an amine. The amine is a derivative of a polyamine in which at least one but not all of the amino groups bear long chain acyl groups. The compound or the composition may be used to soften and/or condition fabric during a laundering process.

Figure: NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01393/MUM A (22) Date of filing of 10/10/2002
No.: (PCT/EP01/03652) Application:

(54) Title of the invention: DISPENSING EDIBLE FROZEN PRODUCTS FROM CARTRIDGES

<p>(51) International classification: A23G 9/28</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 200000952</p> <p>(32) Date : 12/04/2000</p> <p>(33) Name of convention country : SPAIN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>HINDUSTAN LIVER HOUSE, 165/166 BACKBAY RECLAMATION, MAHARASHTRA, MUMBAI 400 020, INDIA</p> <p>(72) Name of the Inventors:</p> <p>1) GISPERT CASINO JUAN CARLOS 2) HUESO MALET JAUME 3) OLIVERAS PICO JAUME</p>
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(57) Abstract :

Edible frozen product extruding machine of the type using cartridges (3) which contain the frozen product (4) provided with an extrusion nozzle (5) and which rest on a platform (2), inside which cartridge acts a piston (6) which can move vertically by means of its stem (7) from the machine's driving devices, which centres its characteristics on incorporating to said stem (7) a side stop (8) which, in the downwards motion of piston (6) acts on a rod (9) which is parallel to stem (7) against the tension of a spring (11), which rod (9) is joined to a support (15) for cone (15) or vessel which receives the ice cream dose, so that with each operational cycle of the machine, initially cone (15) approaches nozzle (5) until the product is level with its opening, at which time stop (8) carries support (13) down, gradually distancing the cone from the nozzle as the classic overfilling of the cone is achieved, so that the frozen product considerably extends beyond its opening.

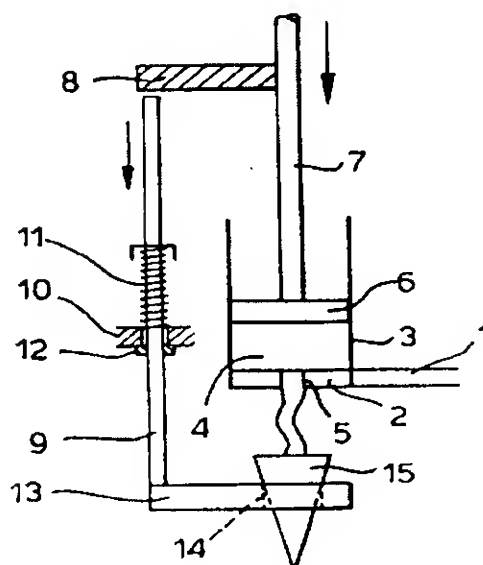


Figure: 1

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01394/MUM A (22) Date of filing of 10/10/2002
No.: (PCT/GB01/02057) Application:

(54) Title of the invention: DRILLING FLUIDS AND METHOD OF DRILLING

<p>(51) International classification: C09K 7/06</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 0011584.0 2) 60/205,032</p> <p>(32) Date : 1) 15/05/2000 2) 18/05/2000</p> <p>(33) Name of convention country : 1) GREAT BRITAIN 2) U. S. A.</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>IMPERIAL CHEMICAL INDUSTRIES PLC</p> <p>Address of the Applicant:</p> <p>IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, GREAT BRITAIN</p> <p>(72) Name of the Inventors:</p> <p>1) GRAINGER NEIL 2) COX TERENCE 3) SCOVELL EDWARD GEORGE</p>

(57) Abstract : Drilling, completing or workover of a well, particularly an oil and/or gas well, is carried out using a fluid which includes a continuous phase including an ester of the formula (I): $(R^2)_p\text{-Ph-(CH}_2\text{)}_m\text{-COO-(AO)}_n\text{-R}^1$ where R^1 , AO, n, m, Ph, R^2 and p have defined meanings and particularly where the esters are alky or alkenyl benzoate esters. These esters are beneficial by having a range of viscosities, especially extending to low viscosities, and attractive toxicological and environmental profiles for use in drilling, completion and/or workover of wells.

Figure: NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/01395/MUM A** (22) Date of filing of Application: **10/10/2002**
(PCT/GB01/02076)

(54) Title of the invention: **METHOD OF OIL/GAS WELL STIMULATION**

<p>(51) International classification: E21B 43/26</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 0011573.3 2) 60/205,030</p> <p>(32) Date : 1) 15/05/2000 2) 18/05/2000</p> <p>(33) Name of convention country : 1) GREAT BRITAIN 2) U.S.A.</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>IMPERIAL CHEMICAL INDUSTRIES PLC</p> <p>Address of the Applicant:</p> <p>IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF</p> <p>(72) Name of the Inventors:</p> <p>1) GRAINGER NEIL 2) COX TERENCE 3) SCOVELL EDWARD GEORGE</p>
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(57) Abstract : Stimulation, particularly fracturing or acidising, of hydrocarbon wells having bores leading to hydrocarbon bearing uses a fluid including a continuous phase of or including a compound of the formula (I): $(R^2)_p\text{-Ph-(CH}_2\text{)}_m\text{-COO-(AO)}_n\text{-R}^1$ where R^1 AO, n, m, Ph, R^2 and p have defined meanings and particularly where the esters are alkyl or alkenyl benzoate esters. These esters are beneficial by having a range of viscosities, especially extending to low viscosities, and attractive toxicological and environmental profiles for use in well stimulation.

Figure: **NIL**

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01396/MUM A (22) Date of filing of 10/10/2002
No.: (PCT/US01/11688) Application:

(54) Title of the invention: **METHOD AND COMPOSITION FOR TREATING CANCER BY ADMINISTRATION OF APOPTOSIS-INDUCING CHEMOTHERAPEUTIC AGENTS**

<p>(51) International classification: A61K 9/52</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/195,920</p> <p>(32) Date : 10/04/2000</p> <p>(33) Name of convention country : U. S. A.</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>TEVA PHARMACEUTICAL INDUSTRIES LTD.</p> <p>Address of the Applicant:</p> <p>5 BASEL STREET, P.O. BOX 3190, 49131 PETAH TIQVA, ISREAL</p> <p>(72) Name of the Inventors:</p> <p>1) FLASHNER-BARAK MOSHE</p>
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(57) Abstract : The present invention provides an anti-tumor chemotherapeutic to a patient having a tumor, the composition comprising: microspheres incorporating the anti-tumor chemotherapeutic; and, a suspending solution which surrounds the microspheres. The present invention also provides a method for administering an anti-tumor chemotherapeutic to a patient having a tumor, comprising the steps of delivering the anti-tumor chemotherapeutic as a chemotherapeutic reservoir to the tumor, and, releasing the anti-tumor chemotherapeutic from the chemotherapeutic reservoir to an interstitial space of the tumor in a therapeutically effective amount, wherein, the chemotherapeutic reservoir includes microspheres incorporating the anti-tumor chemotherapeutic and a suspending solution which surrounds the microspheres.

Figure: NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01397/MUM A (22) Date of filing of Application: 10/10/2002
(PCT/IB01/00784)

(54) Title of the invention: **PROCESS FOR THE PREPARATION OF RUTHENIUM COMPOUNDS**

<p>(51) International classification: C07F 15/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 00110429.8</p> <p>(32) Date : 16/05/2000</p> <p>(33) Name of convention country : EUROPE</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>FIRMENICH S.A.</p> <p>Address of the Applicant:</p> <p>1, ROUTE DES JEUNES, P.O.BOX 239, CH-1211 GENEVA 8, SWITZERLAND</p> <p>(72) Name of the Inventors:</p> <p>1) SALZER ALBRECHT KURT LUTZ</p> <p>2) PODEWILS FRANK PETER HERBERT</p> <p>3) GEYSER STEFAN</p>
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(57) Abstract : We describe a process for the preparation of a ruthenium compound of formula (I): [Ru(dienyl)₂], wherein "dienyl" represents a substituted pentadienyl or cycloheptadienyl group, which process comprises reacting dichloro (2,7-dimethylcata-2,6-dien-1,8-diyl)- ruthenium with an appropriate diene in the presence of : 1) a primary or secondary alcohol capable of reducing Ru(IV) to Ru(II); and 2) a carbonate of an alkaline metal. The title compounds are useful as precursors of Ru catalysts.

Figure: NIL

Publication After 18 months

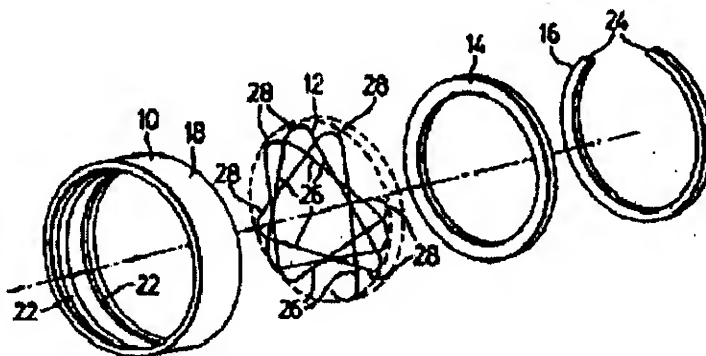
The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002.

(21) Application IN/PCT/2002/01398/MUM A (22) Date of filing of 10/10/2002
No.: (PCT/CA00/00814) Application:

(54) Title of the invention: TUBE SCRAPER

<p>(51) International classification: B08B 9/023</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2,306,546</p> <p>(32) Date : 20/04/2000</p> <p>(33) Name of convention country : CANADA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>PHOTO SCIENCE JAPAN CORPORATION</p> <p>Address of the Applicant:</p> <p>8-3 SANDAMACHI, 5 CHOME, HACHIOJI-SHI, TOKYO 193-0832</p> <p>(72) Name of the Inventors:</p> <p>1) WANG DEMAO 2) SOTIRAKOS BILL</p>
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(57) Abstract :



A scraper (9) for removing deposits from the exterior of a tubular member (34) includes elements defining an outer jacket (10) which has an inwardly open circumferential recess and two aligned axial openings, and a scraper element (12) in the form of an elongate resilient wire bent to define a series of integral, concatenated, resilient segments (26), each pair of adjacent segments being connected through a bend or geniculation (28). All geniculations (28) are received within the recess, and each segment (26a) of wire extends generally along a chord of the aligned axial openings. The positions of the chords are distributed around the circumference of the axial openings such that, in order for the tubular member (34) to be accommodated through the aligned openings, the various segments (26a) must be deformed outwardly, whereby the resilience of the thus deformed segment urges it inwardly against the tubular member (34), and causes it to clean the tubular member (34) as the scraper (9) moves axially.

Figure: 1

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01399/MUM A (22) Date of filing of Application: 10/10/2002
(PCT/US01/14896)

(54) Title of the invention: **PROCESS FOR CONVERTING OXYGENATES TO OLEFINS WITH DIRECT QUENCHING FOR HEAT RECOVERY**

(51) International classification: C07C 11/02	(71) Name of the Applicant:
(30) Priority Data :	EXXONMOBIL CHEMICAL PATENTS INC.
(31) Document No.: 09/572,576	Address of the Applicant:
(32) Date : 1705/2000	5200 BAYWAY Dr., BAYTOWN, TX 77520-5200, U. S. A.
(33) Name of convention country : U. S. A.	
(66) Filed U/s. 5(2) : NO	(72) Name of the Inventors:
(61) Patent of addition to application No.: NIL	1) KUECHLER KEITH H.
(62) Filed on : N.A.	2) LATTNER JAMES R.
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : The present invention relates to process for catalytically converting a feedstock comprising an oxygenate to olefins utilizing a heat exchange device to transfer heat from at least a portion of an effluent of an oxygenate conversion reactor to the feedstock to cause at least a portion of the feedstock to vaporize.

Figure: NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application IN/PCT/2002/01400/MUM A (22) Date of filing of 10/10/2002
No.: (PCT/GB01/01731) Application:
- (54) Title of the invention: METHOD OF MONITORING A FREEZE DRYING PROCESS

<p>(51) International classification: F26B 5/06</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0001453-0</p> <p>(32) Date : 19/04/2000</p> <p>(33) Name of convention country : SWEDEN</p> <p>(66) Filed U/s. 5(2): NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>ASTRAZENECA AB</p> <p>Address of the Applicant:</p> <p>S-151 85 SODERTALJE</p> <p>(72) Name of the Inventors:</p> <p>BRULLS ALVIN JOHAN MIKAEL</p>
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(57) Abstract :

A method of monitoring a freeze-drying process in an apparatus (1) holding one or more samples (9) of a material to be freeze dried, comprises the steps of directing input radiation onto the sample (9), the input radiation forming output radiation by interaction with the sample (9); collecting at least part of the output radiation and leading the thus collected radiation to a radiation analyzer (11); and analyzing the collected radiation spectroscopically in the radiation analyzer (11) to obtain a measurement value of one or more freeze-drying parameters of the sample (9), such as the temperature of the sample (9) and/or the content of a solvent in the sample (9) and/or the structure of the sample (9).

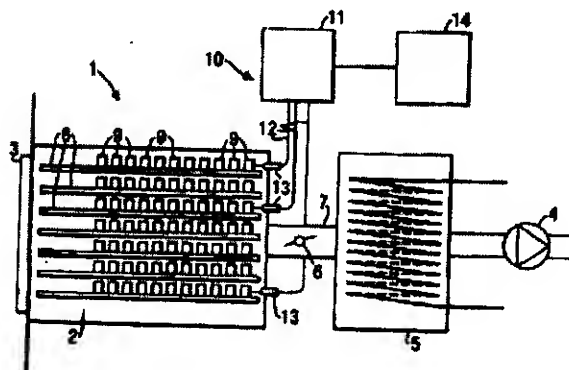


Figure: 2a

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: IN/PCT/2002/01401/MUM A (22) Date of filing of Application: 10/10/2002
(PCT/US01/09146)
- (54) Title of the invention: ENTERTAINMENT EVENT TICKET PURCHASE AND EXCHANGE SYSTEM

<p>(51) International classification: G07B</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/532,896</p> <p>(32) Date : 22/03/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>GLOBAL ETICKET EXCHANGE LTD.</p> <p>Address of the Applicant:</p> <p>344 MAPLE AVENUE, WEST, PMB 249, VIENNA, VA 22180</p> <p>(72) Name of the Inventors:</p> <p>1) NESTOR TOD A. 2) PATRICK ROBERT 3) CIANCIARUSO BENITO</p>
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(57) Abstract : An electronic ticket exchange system enables venue owners to sell tickets to patrons at a fair market value for each event, and patrons to more easily trade and transfer the tickets among one another after they have been purchased from the venue owner. Tickets for an event are initially offered to the public by the venue owner, using a market-making system. Patrons submit bids over a limited time period, for seats of different quality, and an initial price is established for each quality of seat. A trading system provides for a secondary market in which patrons who have purchased tickets for an event can readily transfer them to other patrons, without requiring the services of a broker or the like. In this system, physical tickets are not required. Rather, all of the rights associated with a ticket, such as entry into the venue, parking privileges, designated seating, etc., are stored in an electronic form. An electronic venue entry control system verifies that a person owns an electronic ticket property right, and authorizes the privileges associated with the ticket, such as access to parking facilities, entry to the venue, purchase of concessions and/or merchandise, and the like. A seating system is employed to determine an optimal seating configuration based upon patron-specific preferences, after the initial sale of tickets and prior to entry into the venue. The specific assigned seats are indicated to the ticket holder at the time of entry. Patrons who regularly purchase tickets can join an organization associated with the ticket exchange system. All transactions carried out within the system can then be easily accomplished through a single membership number, which is permanent and unique to the member. Each such member can be provided with a suitable device which interfaces with the entry system to provide access to the venue, and parking if appropriate.

Figure: NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01402/MUM A (22) Date of filing of Application: 10/10/2002
(PCT/US01/09008)

(54) Title of the invention: LOW TEMPERATURE CURE MDI PREPOLYMERS

(51) International classification: C08G 18/00

(30) Priority Data :

(31) Document No.: 60/191,555

(32) Date : 23/03/2000

(33) Name of convention country : U.S.A.

(66) Filed U/s. 5(2) : NO

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

HUNTSMAN INTERNATIONAL LLC.

Address of the Applicant:

500 HUNTSMAN WAY,
SALT LAKE CITY, UT 84108

(72) Name of the Inventors:

JOHNSTON JAY A.

(57) Abstract : Prepolymer and coating compositions which moisture cure in less than about 24 hours. The prepolymers have a functionality of about 1.6 to about 2.4. Reaction systems for forming the prepolymer and coating compositions include polyol, isocyanate, and at least di-functional, aliphatic tertiary amine which has one or more EO groups on the nitrogen atom of the amine.

Figure: NIL

Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01403/MUM A (22) Date of filing of 10/10/2002
No.: (PCT/US01/40374) Application:

(54) Title of the invention: HEDGING EXCHANGE TRADED MUTUAL FUNDS OR OTHER
PORTFOLIO BASKET PRODUCTS

(51) International classification: G06F 17/60	(71) Name of the Applicant:
(30) Priority Data :	THE AMERICAN STOCK EXCHANGE LLC
(31) Document No.: 09/536,258	Address of the Applicant:
(32) Date : 27/03/2000	86 TRINITY PLACE, NEW YORK, NY 10006-1872
(33) Name of convention country : U.S.A.	(72) Name of the Inventors:
(66) Filed U/s. 5(2) : NO	1) GASTINEAU GARY L. 2) WEBER CLIFFORD
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : A method of hedging investment risk in activity managed exchange traded funds comprises:

extracting factor information from the portfolio of the activity managed exchange traded fund;
determining factors that affect the value of the exchange traded fund; and selecting a portfolio of financial
instruments with similar behavior with respect to the determined factors to produce a hedging portfolio
that tracks the price of the exchange traded fund.

Figure: NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01404/MUM A (22) Date of filing of 10/10/2002
No.: (PCT/IB01/01064) Application:

(54) Title of the invention: PURINE DERIVATIVES

(51) International classification: C07H 19/16

(30) Priority Data :

(31) Document No.: 0015727.1

(32) Date : 27/06/2000

(33) Name of convention country : UNITED-KINGDOM

(66) Filed U/s. 5(2) : NO

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

PFIZER INC.

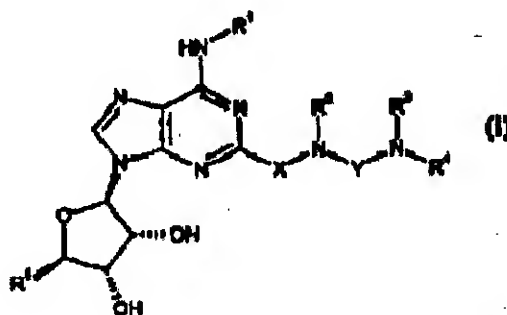
Address of the Applicant:

235 EAST 42ND STREET, NEW YORK,
NY 10017

(72) Name of the Inventors:

- 1) MANTELL SIMON JOHN
- 2) MONAGHAN SANDRA MARINA
- 3) STEPHENSON PETER THOMAS

(57) Abstract :



The present invention relates to compounds of formula (I) and pharmaceutically acceptable salts and solvates thereof, to processes for the preparation of, intermediates used in the preparation of, and compositions containing such compounds and the uses of such compounds as adenosine A2a receptor agonists.

Figure: NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01405/MUM A (22) Date of filing of 10/10/2002
No.: (PCT/US01/11595) Application:

(54) Title of the invention: CUSTOMIZED MOTOR OIL SELECTION

<p>(51) International classification: G06F 17/60</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/196,294</p> <p>(32) Date : 12/04/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>CASTROL LIMITED</p> <p>Address of the Applicant:</p> <p>BURMAH CASTROL HOUSE, PIPERS WAY, SWINDON, WILTSHIRE SN3 1 RE</p> <p>(72) Name of the Inventors:</p> <p>1) MCHENRY MICHAEL E. 2) GOLDBLATT IRWIN L. 3) SEYMOUR CHARLES S. 4) BROWN MYRON G. 5) SMITH ANTHONY D.</p>
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(57) Abstract : Vehicle owners or other users may obtain a motor vehicle engine oil having user desired enhancements, by using a wide area computer network, such as the internet. In a preferred embodiment an electronic questionnaire is displayed on the user's computer screen, and the user answers inquiries about the environment of the use and desired operational characteristics of the desired oil, as well as information about the vehicle, ambient temperature, average driving distance, normal type of driving, and customer interest in fuel economy, cold weather starting, engine longevity and extended oil drain intervals and also to provide a centralized facility with information sufficient to determine what standard or customized motor oil would be most suitable for the user. A customized motor oil may be produced having a baseline motor oil from about 50 percent to 99.9 percent of the quality baseline oil with the remaining portion being customization additives. A desired property of the motor oil, for example, wear protection, fuel economy and the like could be varied by focusing on the desired percent change of the property desired, which might perhaps be 20% or by changing the concentration of the oil additive to obtain such property.

Figure: NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: IN/PCT/2002/01406/MUM A (22) Date of filing of Application: 10/10/2002
(PCT/US01/09530)
- (54) Title of the invention: **DETERMINING INTRA-DAY NET ASSET VALUE PROXY OF AN ACTIVELY MANAGED EXCHANGE TRADED FUND**

(51) International classification: NOT -
CLASSIFIED

(30) Priority Data :

(31) Document No.: 09/536,663

(32) Date : 27/03/2000

(33) Name of convention country : U.S.A.

(66) Filed U/s. 5(2) : NO

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

**THE AMERICAN STOCK EXCHANGE,
LLC**

Address of the Applicant:

**86 TRINITY PLACE, NEW YORK,
NY 10006 - 1872**

(72) Name of the Inventors:

- 1) GASTINEAU GARY L.
- 2) WEBER CLIFFORD J.

(57) Abstract : A method of determining an intra-day net asset value proxy for an exchange traded fund comprises :

receiving in an encrypted format adjusted portfolio information;
decrypting the file having the adjusted portfolio information to provide security positions;
calculating the intra-day net asset value proxy for the fund by applying prices received from a
quote feed to security positions in the fund portfolio.

Figure: NIL

Publication After 18 months.

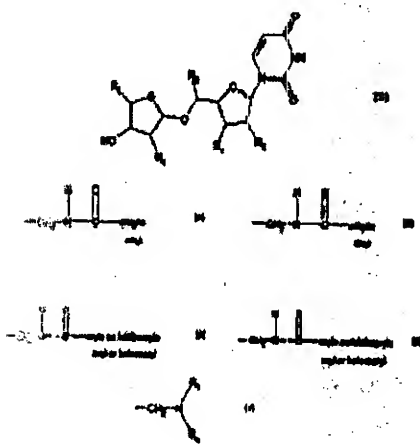
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(71) Application IN/PCT/2002/01407/MUM A (22) Date of filing of 11/10/2002
No.: (PCT/FR01/01356) Application:

(74) Title of the invention: URIDINE DERIVATIVES AS ANTIBIOTICS

<p>(81) International classification: C07H 19/06</p> <p>(80) Priority Data :</p> <p>(82) Document No.: 00/05858</p> <p>(84) Date : 09/05/2000</p> <p>(83) Name of convention country : FRANCE</p> <p>(86) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>AVENTIS PHARMA S.A.</p> <p>Address of the Applicant:</p> <p>20, AVENUE RAYMEOND ARON, F-02160 ANTONY</p> <p>(72) Name of the Inventors:</p> <p>1) ASZODI JOZSEF 2) DIDIER LAURENT STANISLAS 3) DINI CHRISTOPHE 4) DROCHON NATHALIE 5) GUILLOT JEAN-CLAUDE 6) ZHANG JIDONG</p>
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(57) Abstract :



The invention concerns compounds of formula (I) wherein: R_2 is hydrogen, halogen, alkyl, alkenyl or alkynyl, aOH, O-alkyl, OCO-alkyl radical, an O-aryl or OCO-aryl radical; R_4 is CH_2NH_2 ; $CH_2N(alkyl)_1$, $CH_2N(alkyl)_2$, CH_2 -guanidine, CH_2 -amidine optionally substituted; R_5 represents in particular (a) or (b) or (c) or (d), a CH_2N_3 radical (e); R_8 is hydrogen or alkyl; R_9 is alkyl, aryl or heteroaryl, R_8 and R_9 capable of forming a heterocycle, or R_5 represents a CH_2 -alkyl, $CH_2Oalkyl$ or CO_2alkyl , $CH_2Salkyl$ radical; R_6 is hydrogen or halogen, OH, Oalkyl, OCOalkyl, S-alkyl or S-aryl; R_7 is hydrogen or OH. The compounds of formula (I) exhibit antibiotic properties.

Figure: NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01408/MUM A (22) Date of filing of 11/10/2002
No.: (PCT/EP01/05086) Application:

(54) Title of the invention: WIRELESS COMMUNICATION SYSTEM AND METHOD

(51) International classification: H04Q 7/32

(30) Priority Data :

(31) Document No.: 0010598.1

(32) Date : 03/05/2000

(33) Name of convention country : UNITED-KINGDOM

(66) Filed U/s. 5(2) : NO

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

MOTOROLA INC.

Address of the Applicant:

1303 E. ALGONQUIN ROAD,
IL01-3RD FLOOR, SCHAUMBURG

(72) Name of the Inventors:

- 1) FENTON SHAUN RICHARD
- 2) PHILLIPS CHRISTOPHER FRANK
- 3) WRIGHT CHRISTOPHER WARREN
- 4) AFTELAK ANDREW JOHN
- 5) TOTTLE PHILIP ALAN

(57) Abstract :

A system for, and method of, optimising communication on one or more wireless communications systems, wherein a transmission procedure is determined in accordance with information about the environment in which a mobile station (MS) wishing to transmit is located. The mobile station may gain information about the environment by communication with other mobile stations (MS). The present invention provides methods and systems for choosing the most suitable channel or access method for making a transmission from a mobile station.

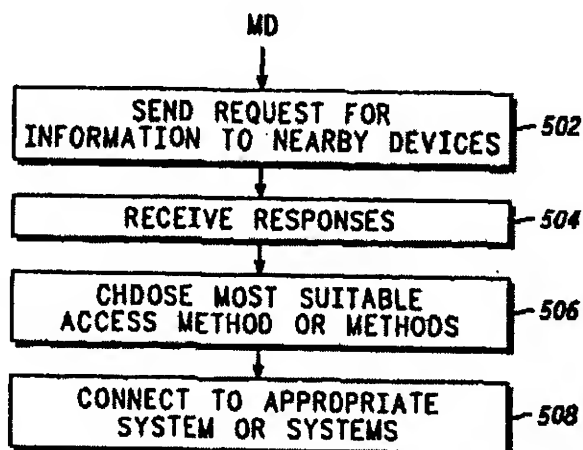


Figure: 5

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01409/MUM A (22) Date of filing of 11/10/2002
No.: (PCT/IL01/00272) Application:

(54) Title of the invention: TOOL JOINT

(51) International classification: B23B 3/11	(71) Name of the Applicant:
(30) Priority Data :	ISCAR LTD.
(31) Document No.: 136032	Address of the Applicant:
(32) Date : 09/05/2000	P.O.BOX 11, 24959 TEFEN
(33) Name of convention country : ISRAEL	
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	HECHT GIL
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract :

A tool (20) comprising a male member (22) and a female member (24). The male member (22) having a coupling portion (28) projecting rearwardly from a body portion (26). The coupling portion (28) having a frustoconical forward portion (40) and a threaded rear portion (38). The thread (46) having an intermediate section (45) of uniform depth and terminating in forward and rear end (41) parts. The female member (24) having a bore (64) extending rearwardly from a front surface (60). The bore (62) having a frustoconical forward portion (70) and a threaded rear portion (72). The thread (72) having an intermediate section (67) of uniform depth and terminating in forward (66) and rear end (68) parts. Upon threaded coupling of the male (22) and female members (24) to form a tool joint (20) connection, the threaded portion (38) of the male member (22) engages the threaded portion (72) of the female member (24).

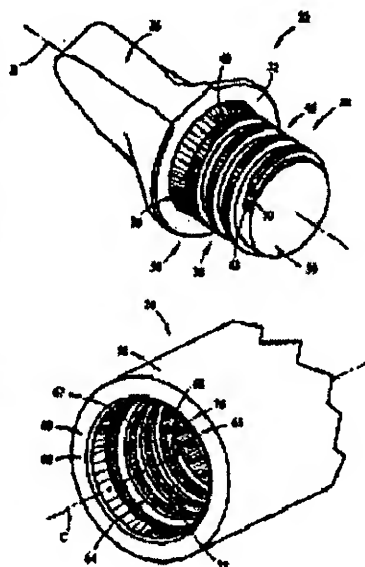


Figure: 5, 7

Publication After 18 months.

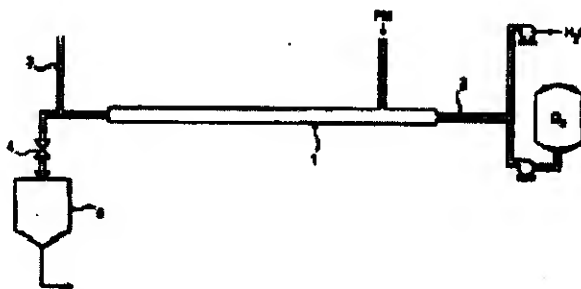
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01410/MUM A (22) Date of filing of Application: 11/10/2002
(PCT/GB01/01601)

(54) Title of the invention: **PRECIOUS METAL RECOVERY FROM ORGAICS-PRECIOUS METAL COMPOSITIONS WITH SUPERCRITICAL WATER REACTANT**

<p>(51) International classification: C22B 11/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0010241.8</p> <p>(32) Date : 28/04/2000</p> <p>(33) Name of convention country : UNITED-KINGDOM</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>1) JOHNSON MATTHEY PUBLIC LIMITED COMPANY</p> <p>2) CHEMATUR ENGINEERING AB</p> <p>Address of the Applicant:</p> <p>1) 2-4 COCKSPUR STREET, TRAFALGAR SQUARE LONDON SW1Y 5BQ</p> <p>2) P.O.BOX 430, S-691 27 KARLSKOGA</p> <p>(72) Name of the Inventors:</p> <p>1) COLLARD SIMON</p> <p>2) GIDNER ANDERS</p> <p>3) HARRISON BRIAN</p> <p>4) STENMARK LARS</p>
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(57) Abstract :



A supercritical oxidation process carried out in water is capable of oxidizing "organics" in precious metal organic compositions such as heterogeneous (Pt/C) or homogeneous precious metal catalysts and producing a precious metal oxide with few by-products and low losses of precious metal.

Figure: 1

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01411/MUM A (22) Date of filing of 11/10/2002
No.: (PCT/EP02/01298) Application:

(54) Title of the invention: CURING OF POSITIVE PLATES

<p>(51) International classification: H01M 4/20</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 01104662.0</p> <p>(32) Date : 24/02/2001</p> <p>(33) Name of convention country : EPO</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>ACCUMULATORENWERKE HOPPECKE CARL ZOELLNER & SOHN GMBH & CO.KG</p> <p>Address of the Applicant:</p> <p>BONTKIRCHENER STRASSE 2, 59929 BRILON, GERMANY,</p> <p>(72) Name of the Inventors:</p> <p>1) NITSCHKE WERNER 2) LAHME NORBERT</p>
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(57) Abstract : The invention relates to a method for rapidly curing positive lead accumulator plates. According to said method, the plates are separated and treated with water vapour for a period of less than 3 hours. The method is characterised in that the curing takes place at environmental temperatures of above 60 °C and that the type of lead sulphates that form during the curing process is controlled. To achieve this for example, finely crystalline tetrabasic lead sulphates are formed by the addition of seed crystals and the formation of tetrabasic lead sulphates is prevented by the addition of an expender. The invention enables the entire curing process to be reduced in an advantageous manner to approximately 4h, thus improving the cost-effectiveness of the method

Figure: NIL

Publication After 18 months.

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application IN/PCT/2002/01412/MUM A (22) Date of filing of 11/10/2002
No.: (PCT/US01/19497) Application:

(54) Title of the Invention: A TEXTILE-ELASTOMER COMPOSITE PREFERABLE FOR
TRANSFER OR FILM COATING AND METHOD OF MAKING SAID
COMPOSITE

(51) International classification: B32B 27/04	(71) Name of the Applicant:
(30) Priority Data :	MILLIKEN & COMPANY
(31) Document No.: 09/602,122	Address of the Applicant:
(32) Date : 23/06/2000	LEGAL DEPARTMENT (M-495), 920
(33) Name of convention country : U.S.A.	MILLIKEN ROAD, SPARTANBURG,
(66) Filed U/s. 5(2) : NO	SC 19303
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	(72) Name of the Inventors:
(63) Divisional to Application No.: NIL	1) VOGT KIRKLAND W.
(64) Filed on: N.A.	2) ELEAZER HOWELL B.

(57) Abstract : The present invention relates to a process for producing a fabric-elastomer composite that, when transfer or film coated, is preferable for use as an artificial leather substrate. The inventive procedure involves (a) producing an elastomer composition of at least four ingredients (an anionically-stabilized waterborne polymer dispersion, an acid-generating chemical, a cloud-point surfactant, and a foam-stabilizing surfactant); (b) incorporating sufficient gas into the liquid mixture to generate a spreadable foam; (c) applying the foam onto a porous textile substrate; (d) heating said foamed fabric until the elastomer coagulates over the fabric substrate; and (e) drying the resultant composite without destroying the coagulated structure. The resultant composite obtains a suppleness that is similar to that of leather and a surface that is suitable for transfer coating to produce artificial leather. The composite may be utilized as upholstery fabric in furniture or in automobiles, apparel, and the like. The particular composites produced are also contemplated within this invention.

Figure: NIL

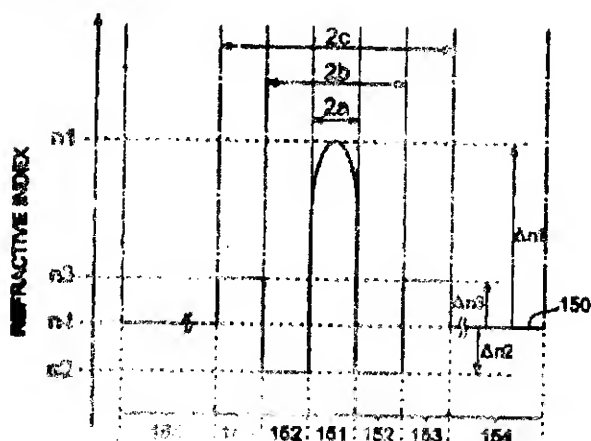
Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/01590/MUM A (22) Date of filing of Application: 09/10/2002
(PCT/JP00/08528)

(54) Title of the invention: **DISPERSION COMPENSATING OPTICAL FIBER, AND OPTICAL TRANSMISSION LINE AND DISPERSION-COMPENSATING MODULE RESPECTIVELY INCLUDING THE SAME**

<p>(51) International classification: G02B 6/22</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2000-109730</p> <p>(32) Date : 11/04/2000</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on : N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SUMITOO ELECTRIC INDUSTRIES</p> <p>Address of the Applicant:</p> <p>5-33, KITAHAMA 4-CHOME, CHUO-KU OSAKASHI, OSAKA 541-0041.</p> <p>(72) Name of the Inventors:</p> <p>1) KATO TAKATOSHI 2) HIRANO MASA-AKI</p>
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(57) Abstract :

The invention is directed to dispersion-compensating which can compensate for the chromatic dispersion slope of a non-zero dispersion-shifted optical fiber by length. The dispersion-shifted optical fiber constitutes an optical transmission line together with a dispersion-compensating optical fiber fusion-spliced thereto. The dispersion-compensating optical fiber has, at a wavelength of 1550nm, a chromatic dispersion D_{DCF} of -40 ps/nm/km or less and a ratio (D_{DCF}/S_{DCF}) of dispersion slope S_{DCF} to the chromatic dispersion D_{DCF} of 0.005/nm or more.

Figure: 3b

ALTERATION OF DATE UNDER SECTION 16

193962 (898/DEL/2002) ANTE DATED TO 22-10-1998.

193963 (902/DEL/2002) ANTE DATED TO 22-10-1998.

193964 (901/DEL/2002) ANTE DATED TO 22-10-1998.

193965 (900/DEL/2002) ANTE DATED TO 22-10-1998.

193966 (899/DEL/2002) ANTE DATED TO 22-10-1998.

193967 (897/DEL/2002) ANTE DATED TO 22-10-1998.

अभिगृहित पूर्ण विनिर्देश

एतद्वारा सूचना दी जाती है कि आवेदनों में किसी पर पेटेंट अनुदान का विरोध करने वाले इच्छुक व्यक्ति राजपत्र के इस निर्गमन की तिथि से चार महीने के भीतर या उक्त चार महीने की समाप्ति के पूर्व, प्ररूप 4 में यदि आवेदित किया हुआ हो, तो परवर्ती एक महीने के भीतर, किसी समय, नियंत्रक, पेटेंट को ऐसे विरोध की सूचना प्ररूप 7 में उपयुक्त कार्यालय में दे सकते हैं। विरोध का लिखित कथन साक्ष्य के साथ, यदि कोई हो, दो प्रतियों में उक्त सूचना के साथ या अगले दो महीने की अवधि के भीतर दाखिल किया जाए। इस संदर्भ में, यथा संशोधित पेटेंट अधिनियम, 1970 की धारा 25 एवं पेटेंट नियम, 2003 के नियम 55 से 57 का अवलोकन किया जा सकता है।

उपयुक्त कार्यालय द्वारा विनिर्देश एवं चित्र आरेख, यदि हो, के छायाप्रति की आपूर्ति छायाप्रति शुल्क के रूप में प्रति पृष्ठ रु. 4/- की अदायगी पर की जा सकती है।

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a Patent on any of the Applications, may, at any time within four months from the date of this issue of Gazette or within further period of one month if applied for in Form 4 before the expiry of the said period of four months, give notice to the Controller of Patents at the Appropriate Office on Form 7 of such opposition. The Written Statement of Opposition accompanied by evidence, if any, should be filed in duplicate alongwith the said notice or within further period of two months. Section 25 of The Patents Act, 1970 as amended and Rules 55 to 57 of The Patents Rules, 2003 may be referred to in this regard.

Photo copies of the specification and drawings, if any, can be supplied by the Appropriate Office on payment of photocopying charges @ Rs. 4/- per page.

Int. Cl⁷ : B29B 13/02 B29C 47/00

193921

Ind. Cl : 155

Title : A METHOD OF MAKING A COMPOSITE PRODUCT.

Applicant : OWENS CORNING OF ONE OWENS CORNING PARKWAY
TOLEDO, OHIO 43659, USA

Inventor : ANDREW B. WOODSIDE

Application no 1481/CAL/1997 FILED ON 11.8.1997
(CONVENTION NO. 08/695,909 FILED ON 12.8.1996 IN USA.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES
2003) PATENT OFFICE KOLKATA.*

85CLAIMS.

A method of making a composite product comprising preparing a thermoplastic-encased composite strand material for disposing in a matrix material by steps comprising :

Applying a chemical treatment in an amount sufficient to coat substantially all of a plurality of fibers comprising reinforcing fibers to form preimpregnated fibers, wherein the chemical treatment is compatible with the matrix material,

Gathering the preimpregnated fibers into a preimpregnated strand having the chemical treatment disposed between substantially all of the plurality of fibers; and

Encasing the preimpregnated stand by a process including wirecoating the preimpregnated strand with thermoplastic material to form a thermoplastic coating and forming the thermoplastic coating into a thermoplastic sheath to form a thermoplastic-encased composite strand.

Complete Specification : 70 pages.

Drawing : 5 sheets

Int. Cl⁷ : C015F 1/00, C01F 5/08, C01F 5/16

193922

Ind. Cl : 39L

Title : A PROCESS FOR PRODUCING METAL HYDROXIDE SOLID SOLUTION

Applicant : TATEHO CHEMICAL INDUSTRIES CO. LTD, OF 974, AZAKATO, KARIYAAKO-SHI, HYOGO 678-0239 JAPAN

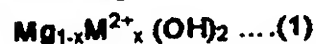
Inventor :
1. HIROFUMI KURISU.
2. RYICHI ISHIBASHI.
3. TOSHIKAZU KODANI
4. KARESHI TAKEGAKI.

Application no 620/CAL/1998 FILED ON 13.4.1998
(CONVENTION NO. 9-114305 FILED ON 15.4.1997 IN JAPAN.)

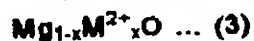
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.

8CLAIMS.

A process for producing metal hydroxide solid solution represented by the following



wherein M^{2+} denotes at least one divalent metal ion selected from Mn^{2+} , Fe^{2+} , Co^{2+} , Ni^{2+} , Cu^{2+} and Zn^{2+} and x denotes a number in the range of $0.01 \leq x < 0.5$, characterized in that a crystal form of an octahedron comprising upper and lower parallel basal planes and six peripheral pyramidal planes, the pyramidal planes consisting of upward-inclined planes and downward-inclined planes which are alternatively located, the ratio of the major axis diameter of the basal plane to the thickness between the upper and lower basal planes (major axis diameter/thickness) being 1 to 9, the process comprising the step that composite metal oxide represented by the following formula (3) is hydrated in an aqueous medium, in which 0.1 to 6 mol%, based on the composite metal oxide, of at least one selected from carboxylic acid, metal salt of carboxylic acid, inorganic acid and metal salt of inorganic acid coexists, with strong stirring:



wherein M^{2+} denotes at least one divalent metal ion selected from Mn^{2+} , Fe^{2+} , Co^{2+} , Ni^{2+} , Cu^{2+} and Zn^{2+} and x denotes a number in the range of $0.1 \leq x < 0.5$.

Complete Specification : 31 pages.

Drawing : 8 sheets

Int. Cl⁷ : GO2B - 6/22

193923

Ind. Cl : 34A

Title : AN OPTICAL FIBER

Applicant : FUJIKURA LTD. OF 5-1 KIBA 1-CHOME, KOHTOH-KU, TOKYO JAPAN

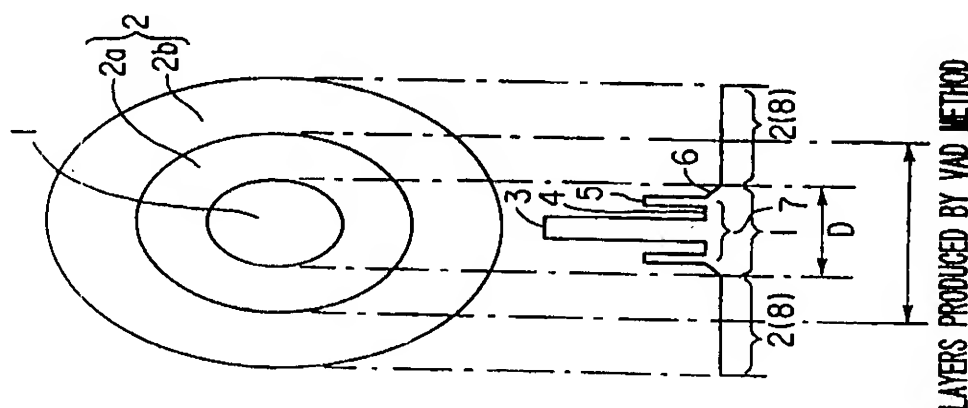
Inventor :
1. MATSUO SHOICHIRO
2. ABIRU TOMIO.
3. HARADA KOICHI

Application no 513/CAL/2001 FILED ON 07.09.2001
(CONVENTION NO.2000-304140 FILED ON 3.10.2000 IN JAPAN.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.

11 CLAIMS.

An optical fiber comprising a high concentration germanium layer which is disposed at a central position of the optical fiber and contains germanium oxide in a concentration of at least 0.1% by weight, relative to the total weight of the high concentration germanium layer, and a low concentration germanium layer which is disposed around the high concentration germanium layer and contains germanium oxide in a concentration of less than 0.1% by weight, relative to the total weight of the low concentration germanium layer, characterized in that the ratio of optical power leaking from the high concentration germanium layer (1) to the low concentration germanium layer (2) in an employed wavelength band is not more than 0.4% relative to the total optical power propagating through the optical fiber.



Complete Specification : 21 pages.

Drawing : 11 sheets

Int. Cl⁷ : H01H - 51/22

193924

Ind. Cl : 69

Title : RELAY HAVING A BASE BODY

Applicant : EH-SCHRACK COMPONENTS AG. OF SEYBELGASSE 13
A-1230, WIEN, AUSTRIAInventor : 1. LEOPOLD MADER.
2. RUDOLF MIKL

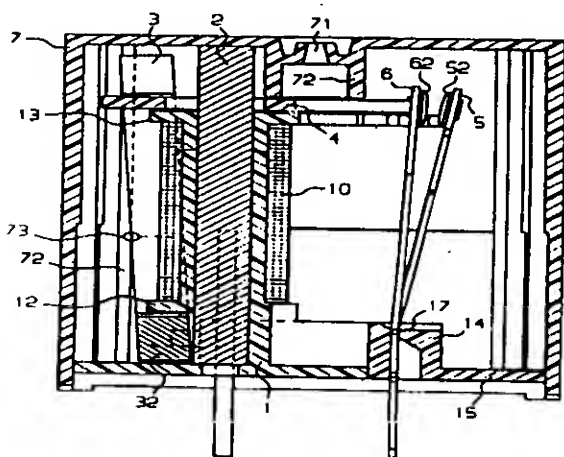
Application no 756/CAL/1998 FILED ON 28.4.1998

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES
2003) PATENT OFFICE KOLKATA.***10 CLAIMS.**

A relay comprising:

- a base body (1) having a pair of planer slots;
- an electromagnetic device (10,2,3) connected to the base body (1), said electromagnetic device having a coil (10) with a central axis, a core (2) on said central axis and an armature (3); and
- a contact device having fixed contact spring (5,9) and a mobile contact spring (6),

Characterized in that each contact spring is a planer leaf spring with a contact pin (8) and a contact-making region, the contact-making region of at least one contact spring having an L-shaped configuration, the contact pin (8) of each of said springs being anchored in a common plane alongside one another in the base body with contact-making regions overlapping one another, such that the mobile contact spring being operable by the armature slide (4) moving at right angles to a longitudinal extent of said mobile contact spring, and in that said fixed contact spring resting on a stop (18) on the base body and having the contact making region pre-stressed by elastic deflection from the common plane by said stop (18), said common plane extending parallel to the central axis.



Complete Specification : 13 pages.

Drawing : 6 sheets

Int. Cl⁷ : H04N 7/00 G09G 5/06 H04N 7/52

193925

Ind. Cl : 206 E

Title : A DECODER FOR A DIGITAL AUDIOVISUAL TRANSMISSION SYSTEM

Applicant : CANAL + SOCIETE ANYONYME OF 85/89 QUAI ANDRE CITROEN, 75711, PARIS, CEDEX 15, FRANCE.

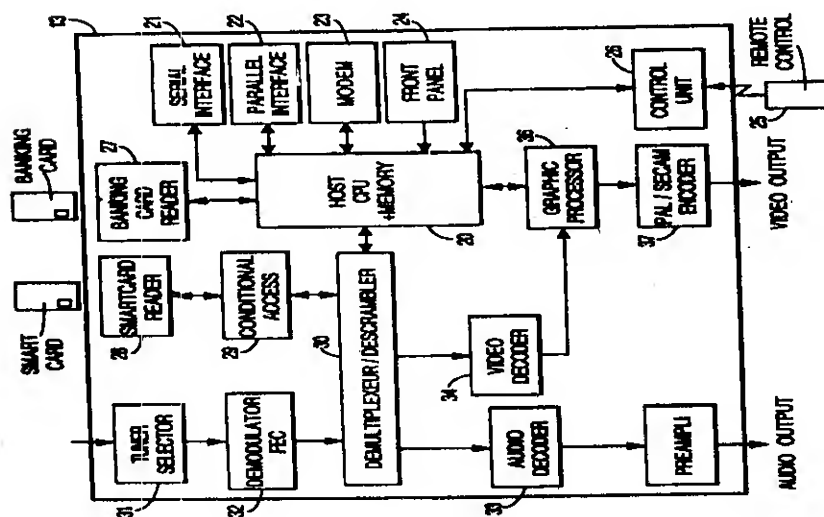
Inventor : 1. MERIE JEROME.
2. HAMERY DOMINIZNE

Application no 384/CAL/1998 FILED ON 10.3.1998

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.

14 CLAIMS.

A decoder for a digital audiovisual transmission system, the decoder comprising a processor means for decompressing and displaying compressed digital picture data and a memory means, characterised in that the processor means is adapted to decompress and store an image file in its substantially original format and subsequently to convert the image file to at least a second format for storage and display, the first and second format versions of the image file being stored contemporaneously in the memory means.



Complete Specification : pages.

Drawing : sheets

Int. Cl⁷ : F23N 1/00 105/00

193926

Ind. Cl : 28A 88B

Title : A DEVICE FOR PRODUCING AN ENERGY EFFICIENT COMBUSTIBLE MIXTURE OF HYDROCARBON GASES AND AIR/OXYGEN

Applicant : DEBJYOTI BANDOPADHYAY, OF 35, P.C MUKHERJEE STREET, KONNAGAR, DISTRICT HOOGHLY, PIN 712235 WEST BENGAL, INDIA

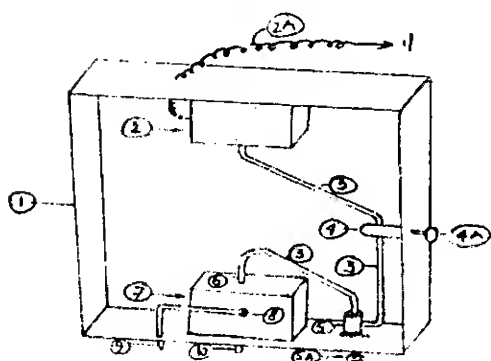
Inventor : DEBJYOTI BANDOPADHYAY

Application no 180/CAL/1998 FILED ON 04.02.1998

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.

10CLAIMS.

A device for producing an energy efficient combustible mixture of hydrocarbon gases and air/oxygen, comprising a housing supporting a sealed mixing chamber having separate inlet means to feed therein air/oxygen under controlled pressure and hydrocarbon gases, such as hereindescribed, under controlled pressure, the inlet for the hydrocarbon gases and that for the air/oxygen being located in mutually perpendicular position in relation to one another, to ensure proper mixing of air/oxygen with hydrocarbon gases, said mixing chamber also provided with an outlet means for supply of energy efficient combustible mixture of hydrocarbon gases and air/oxygen in predetermined ratio from said mixing chamber for energy efficient combustion in a combustion means.



Complete Specification : 18 pages.

Drawing : 1 sheet

Int. Cl⁷ : D06 F 13/02 D06F 37/26

193927

Ind. Cl : 62B

Title : WASHING MACHINE WITH A COMPOUND PUSATOR
HAVING A PLURALITY OF SUB-PULSATORS

Applicant : DAEWOO ELECTRONICS CORPORATION OF 686 AHYEON-
DONG, MAPO-GU, SEOUL KOREA.

Inventor : KOON KAB JIN

Application no. 1344/CAL/1996 FILED ON 26.7.1996
(CONVENTION NO. 95-22378 FILED ON 27.7.1995 IN KOREA.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES
2003) PATENT OFFICE KOLKATA.*

9CLAIMS.

A washing machine with a compound pulsator having a plurality of sub-pulsators characterized by that it comprises:

astationary tub 100 for receiving washing water when washing;

arevolving shaft 600 installed at the center portion of the bottom of said stationary tub 100;

awashing tub 200 installed in said stationary tub 100 to be coaxial with said tub 100, enabling to revolve on said revolving shaft 600 and having a plurality of washing water communication holes 203;

acomound pulsator 300 having a bottom sub-pulsator 310 mounted on the bottom of the washing tub 200 to be able to revolve together with said revolving shaft 600 and having a round plate shaped main body 311 formed with a groove on the center portion of the upper surface thereof, a top sub- pulsator 350 mounted on the upper part of said revolving shaft 600 to be able to revolve together with said revolving shaft 600 and having an opened bottom part, and an intermediate sub-pulsator 330 mounted between said bottom sub-pulsator 310 and said top sub-pulsator 350 to be able to revolve with respect to said revolving shaft 600 and having a cylindrical main body 331 formed with a cylindrical through tunnel on the center portion thereof.

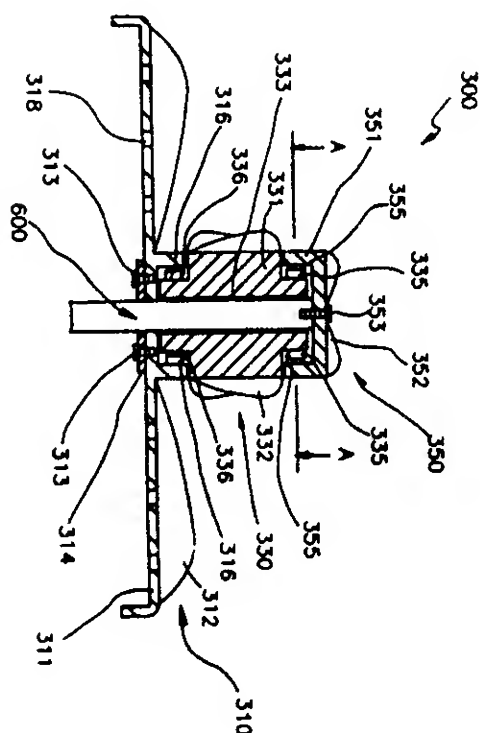
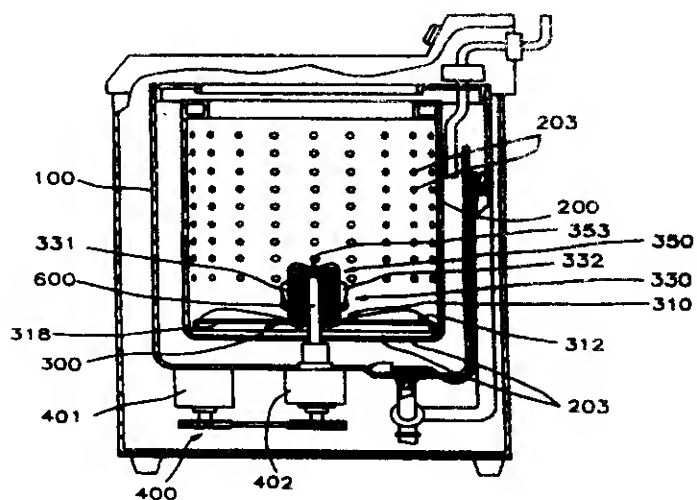


FIG. 3

Complete Specification : 25 pages.

Drawing : 4 sheets

Patent No. : B01D 61/06 B01D 61/10, B01D 35/26 F04B 9/10

193928

Class No. : 156 X2 VII(3)

Title : FLUID OPERATED PUMPS AND APPARATUS EMPLOYING SUCH PUMPS

Inventor : COLIN PEARSON, OF 17, OULTEN CRESCENT,
POTTERS BAR, HERTS, EN6 3ED, UK

Applicant : COLIN PEARSON

Application no 2201/CAL/1997 FILED ON 21.11.1997

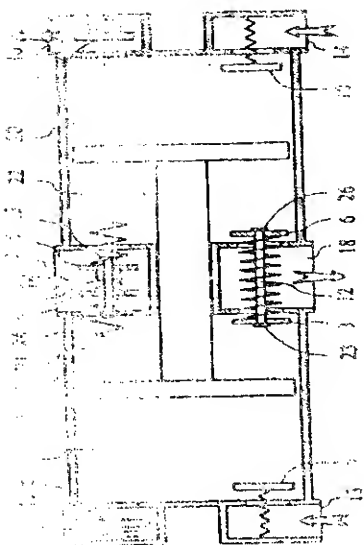
Publication NO. 9624205.2 AND 9707346.4 FILED ON 21.11.96 AND 11.04.1997 IN
ENGLISH RESPECTIVELY.)

ATTORNEY : PATENT OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES

1997) PATENT OFFICE KOLKATA.

18 CLAIMS.

A fluid operated pump comprising reciprocable means (1) having a pair of first (30, 31) pressure surfaces and a pair of second (32, 33) pressure surfaces each bounding a respective first (21, 22) and second (19, 20) pressure chamber, control valve means (3, 4, 5, 6) to supply pressure fluid alternately to one said first chamber and to exhaust pressure fluid from the other said first chamber thereby causing the reciprocable means to reciprocate, fluid inlet and outlet valve means (7, 8, 9, 10) communicating with the second chambers (19, 20) whereby the second pressure surfaces are arranged to pump fluid through the second chambers upon reciprocation of the reciprocable means, characterized in that the control valve means comprises a plurality of poppet valves (3, 4, 5, 6) the poppet valves being exposed to the pressure of fluid in the first chambers and each having a bleed valve (23, 24, 25, 26) to permit limited flow past the poppet valve to produce a force required to operate the poppet valve.



Complete Specification : 15 pages.

Drawing : 3 sheets

Int. Cl' : H01B -- 9/04 H01Q -- 001/36

193929

Ind. Cl : 206 F

Title : RADIA COMMUNICATION APPARATUS

Applicant : SARANTEL LTD, OF 1 PARK ROW , LEEDS, LSI 5AB UK

Inventor : LEISTEN OLIVER PAUL

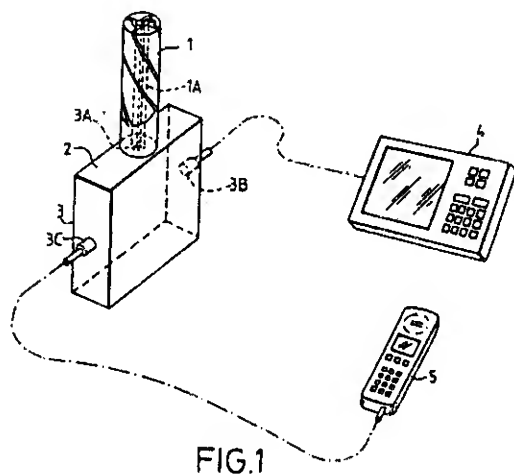
Application no 536/CAL/1997 FILED ON 26.3.1997
(CONVENTION NO.9606593.3 AND 9615917.3 FILED ON 29.3.1996 AND 30.7.1996 IN
UK RESPECTIVELY.)

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES
2003) PATENT OFFICE KOLKATA.

24 CLAIMS.

Radio communication apparatus comprising an antenna and, connected to the antenna, radio communication circuit means operable in at least two radio frequency bands, wherein the antenna comprises an elongate dielectric core, a feeder structure which passes through the core substantially from one end to the other end of the core, and, located on or adjacent the outer surface of the core, the series combination of at least one elongate conductive antenna element and a conductive trap element which has a grounding connection to the feeder structure in the region of the said one end of the core, the or each antenna element being coupled to a feed connection of the feeder structure in the region of the said other end of the core, and wherein the radio communication circuit means have two parts operable respectively in a first and a second of the radio frequency bands and each associated with respective signal lines for conveying signals flowing between a common signal line of the antenna feeder structure and the respective circuit means part, the antenna being resonant in a first resonance mode in the first frequency band and in a second resonance mode in the second frequency band.

1/5



Complete Specification : 27 pages.

Drawing : 5 sheets

Int. Cl⁷ : C07C 67/48

193930

Ind. Cl : 32

Title : A PROCESS FOR RECOVERING VOLATILE REACTION PRODUCTS

Applicant : E.I DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA

Inventor : FRANCIS GLENN GALLAGHER

Application no 1205/CAL./1996 FILED ON 01.07.1996

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.

21 CLAIMS.

Process for recovering volatile reaction products selected from monomers and other depolymerization products from a reaction mass, which process comprises:

- (a) depolymerizing in a manner such as herein described the reaction mass that comprises a starting polymer which is at least one member of the group consisting of polyesters, polyamides, and polyesteramides having 2% to 70% by weight of non-polymer contaminants by means of a depolymerization agent such as herein described to yield volatile reaction products;
- (b) vapor-phase stripping in a manner such as herein described the said volatile reaction products, to yield a stripping agent/product distillate such as herein described;

wherein said reaction mass in said depolymerizing and stripping steps comprises from 5% to 99% by weight of the reaction mass of a solid support, which solid support is solid under the conditions of steps (a) and (b) and forms a suspended bed, the quantity and rate of recovery of reaction products being enhanced over that obtained in the absence of said solid support; and

- (c) recovering in a known manner the said volatile products reaction products from the said stripping agent/product distillate while leaving non-volatile residue material with the support material.

Complete Specification : 35 pages.

Drawing : NIL

Indian Classification	:	55 E4	193931
International Classification ⁷	:	A61K 33/40	
Title	:	"A PROCESS FOR PREPARING A SYNERGISTIC COMPOSITION FOR REDUCING THE MOTILITY OF SPERMATOZOA AND REVERSING IT."	
Applicant	:	NATIONAL INSTITUTE OF HEALTH & FAMILY WELFARE, under the Societies Registration Act XXI of 1860, New Mehrauli Road, Munirka, New Delhi-110067, India.	
Inventors	:	MAN MOHAN MISRO- INDIAN SANKAR PRASAD CHAKI – INDIAN	
Kind of Application	:	Complete	

Application for Patent Number 205/Del/2002 filed on 7th March 2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi – 110 008.

(8 Claims)

A process of preparing a synergistic composition useful for reducing mammalian spermatozoa motility and reversing the same, said process comprising steps of:

- a. mixing the following ingredients in any sequence: (a) sodium hydrogen phosphate buffer having disodium hydrogen phosphate (Na_2HPO_4) ranging between 0.23-0.27 gms, (b) sodium chloride ranging between 0.8 to 1.0 gms, and (c) 30% hydrogen peroxide ranging between 6.5-8.0 ml, and
- b. adding water to make up total volume to 100ml, with pH of said composition ranging between 7.0 to 7.4.

(Complete Specification 26 Pages; Drawings 8 Sheet)

Indian Classification	35101	193932
International Classification ¹	A01N 65/00	
Title	A PROCESS FOR IN-VITRO ELIMINATION OF PLANT VIRUS BY PREPARING AND USING AN EXTRACT OF AZADIRACHTA INDICA PLANT	
Applicant	THE ADDITIONAL DIRECTOR (IPR), DEFENCE RESEARCH & DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE, GOVT. OF INDIA, B-341, SENA BHAWAN, DHQ P.O., NEW DELHI-110 011, AN INDIAN NATIONAL.	
Inventors	SATYA VRAT BHARDWAJ - INDIAN SHALINI - INDIAN ANIL HANDA - INDIAN KANISHA MANGAL - INDIAN	

Kind of Application Complete

Application for Patent Number 1035/Pct/2001 filed on 10th Oct. 2001.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi - 110 008.

(7 Claims)

A process for in-vitro elimination of plant virus by preparing and using an extract of azadirachta indica plant wherein process comprises steps of:

- (i) air-drying of plant material comprising leaves, roots and fruits of plant azadirachta indica, obtaining dried plant material;
- (ii) subjecting the dried plant material obtained by step (i) to first extraction by boiling the said dried plant material in an organic solvent in a soxhlet apparatus on water bath, siphoning the plant extract; repeating the step (i) to 7 times, wherein the weight to volume ratio of plant material to organic solvent is 2:5 and wherein the organic solvent is selected from methanol, benzene, acetone;

- (iii) air-drying the plant material thus obtained by step (ii) and subjecting it to second extraction by boiling the dried plant material with an organic solvent, in the said soxhlet apparatus on water bath, siphoning the plant extract; repeating the step 6 to 7 times, wherein organic solvent is any of organic solvents used in step (ii) except-acetone;
- (iv) pooling the said extracts and drying the extract thus obtained on heating mantle and in an oven at 20 to 25°C to obtain dried *azadirachta indica* plant extract;
- (v) preparing a culture medium taking Murashige and Skoog's (MS) salts, 0.75 to 1.25mg/ litre of Benzyle Amino Purine (BAP), 0.25 to 0.75 mg/ litre of α - Naphthalene acetic acid (NAA) and 24 to 35 g/litre of sucrose;
- (vi) mixing of plant extract obtained by step (iv) and the culture medium obtained by step (v) in different concentrations of 1.0mg/litre, 2.5mg/litre, 5.0 mg/litre, 7.5mg/litre and 10mg/litre, and treating the infected plant to eliminate the virus from said plant;

(Complete Specification 8 Pages & Drawings Nil Sheet)

Indian Classification	:	206A	193933
International Classification ⁴	:	H03H -5/00	
Title	:	"An improved 3-dB hybrid – ring directional coupler".	
Applicant	:	INDIAN INSTITUTE OF TECHNOLOGY, an Indian Institute of Hauz Khas, New Delhi 110,016, India.	
Inventor	:	SHEEL ADITYA SUBHASH CHANDRA DUTTA ROY JAYESH RATHORE SUSHMA MISHRA-all Indian.	
Kind of Application	:	Provisional/Complete	

Application for Patent Number 2029/DEL/1995 filed on 06.11.95
Complete left after Provisional specification on 05.02.1997.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent
Office Branch, New Delhi – 110 008.

(02Claims)

A improved 3-dB hybrid-ring directional coupler device comprising of four sections and plurality of input and output arms/ports having characteristic admittances of unity; each said section made of a two wire line, or a cable or a microstrip or a wave guide, the said four sections joined end to end to form a ring with ports/arms (1,2,3,4) each adjacent section, characterized in that:

(a) the first said section (θ_1), the second said section (θ_2), the third said section (θ_3) and the fourth said section (θ_4) have the respective lengths selected from six embodiments, wherein:

- (i) the first embodiment has lengths of said sections equal to $\lambda/3$, $\lambda/3$, $5\lambda/6$, $\lambda/3$ respectively;
- (ii) the second embodiment has lengths of said sections equal $\lambda/5$, $\lambda/5$, $7\lambda/10$, $\lambda/5$ respectively;
- (iii) the third embodiment has lengths of said sections equal $\lambda/7$, $\lambda/7$, $9\lambda/4$, $\lambda/7$ respectively;
- (iv) the fourth embodiment has lengths of said sections equal $\lambda/12$, $\lambda/4$, $7\lambda/12$, $\lambda/4$ respectively;
- (v) the fifth embodiment has lengths of said sections equal $\lambda/6$, $\lambda/4$, $2\lambda/3$, $\lambda/4$ respectively;
- (vi) the sixth embodiment has lengths of said sections equal $\lambda/3$, $\lambda/4$, $5\lambda/6$, $\lambda/4$ respectively;

where λ is the wave length.

(Provisional specification 06 Pages Drawings NIL Sheets)
(Complete Specification 11 Pages Drawings 01 Sheets)

Indian Classification	:- 40	193934
International Classification ⁷	:- C02 F1/00	
Title	:- "A process for preparation of a composition for sanitising of water".	
Applicant	:- MED-INDIA, a Proprietorship firm whose proprietor is Abhimanyu Singh, of Pocked-D Flat No.9, Mayur Vihar, Phase-II, New Delhi-110 091, India.	
Inventors	:- DINESH - SHUKLA -INDIA.	
Kind of Application	:- COMPLETE	
Application for Patent Number	1800/Del/1995	filed on 29/09/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 2)

A process for preparation of a composition for sanitizing of water and other applications comprising the steps of:-

- (a) preparing a saturated solution of Argentenous oxide (Ag_2O) in 5% nitric acid, taking 0.1 to 1 mole of Ag_2O for every 1 litre of nitric acid;
- (b) adding 5 to 15g of granular gum selected from pine gum and neem gum to the solution obtained by step (a) and homogenizing by high speed stirring followed by heating to a temperature of 40°C ;
- (c) adding 15 to 55g of tartaric acid to the solution obtain by step (b) thereby obtaining catalytic solution;
- (d) adding hydrogen peroxide in amount 70 to 90 times the volume of catalytic solution obtained by step (c), obtaining the desired formulation;

Complete Specification

No of
Pages

09

Drawings
Sheets

NHL

IND. CL. : 130 F 193935
INT. CL. : C 22 F 1/4
TITLE : PROCESS OF PRODUCING ALUMINUM FOIL
APPLICANT : ALCAN INTERNATIONAL LIMITED
1188 SHERBROOKE STREET WEST,
MONTREAL, QUEBEC, H3A 3G2,
CANADA
A CANADIAN COMPANY
INVENTOR : 1) THOMAS L. DAVISSON
2) LUC M. MONTGRAIN
3) SADASHIV NADKARNI
INTERNATIONAL APPLICATION NO : PCT/CA99/00138 DATED 17/02/1999
INDIAN APPLICATION NO. : IN/PCT/2000/00264/MUM DATED 04/08/2000
PRIORITY NO. : 60/075,102 DATED 18/02/1998 OF U. S. A.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

14 CLAIMS

1) A process of producing aluminum foil having dead fold foil characteristics with a yield strength of at least 89.6 MPa (13 ksi), and ultimate tensile strength of at least 103.4 MPa (15 ksi) and a Mullen rating of at least 89.6 kPa (13 psi) at a gauge of 0.0015 cm (0.0006 inch), wherein an aluminum alloy is cast to form an ingot, the ingot is cold rolled to produce a cold worked sheet, the cold worked sheet is interannealed, the interannealed sheet is cold rolled to a final gauge sheet of foil thickness, and the final gauge sheet is annealed; characterized in that the aluminum alloy is selected to contain an amount of magnesium in the range of 0.05 to 0.15% by weight, and the cold worked sheet is interannealed at a temperature in the range of 200 to 260°C

COMPLETE SPECIFICATION : 20 PAGES

DRAWINGS: 01 SHEETS

IND. CL. : 5 C 193936

INT. CL. : A 61 M 15/00

TITLE : FLUID PRODUCT SPRAYING DEVICE

APPLICANT : VALOIS S. A.
BOITE POSTALE G, LE PRIEURE,
LE NEUBOURG, F-27110,
FRANCE

INVENTOR : 1) JEAN-LOUIS GUIFFRAY

INTERNATIONAL APPLICATION NO : PCT/FR98/02792 DATED 13/03/2001

INDIAN APPLICATION NO. : IN/PCT/2000/00135/MUM DATED 29/06/2000

PRIORITY NO. : 97/16770 DATED 31/12/1997 OF FRANCE

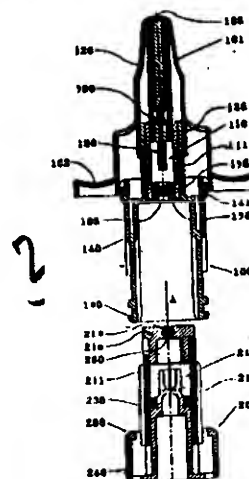
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

13 CLAIMS

1) A fluid spray device comprising an outlet channel (120) terminating in a spray orifice (125), a first tank (110) containing a first substance, a second tank (210) containing a second substance, said two tanks (110, 210) being interconnected by a passage (160, 260) and, prior to actuation of the device, being separated from each other in leakproof manner by sealing means (115, 215) disposed in said passage (160, 260), mixer means (130, 135, 235) being provided to open said passage (160, 260) and to mix together the two substances before they are dispensed, and dispenser means (235, 135) being provided for dispensing said mixture, the device being characterized in that said sealing means comprise at least one ball (115, 215) adapted to be expelled from the passage (160, 260) by said mixer means (130, 135; 235), said mixer means comprising a first piston (135; 235) slidably received in one of the tanks (110; 210) to transfer one of the substances from its tank (110; 210) into the other tank (210; 110), said dispenser means including a second piston (235; 135) slidably received in the other tank (210; 110) for dispensing the mixture of the two substances via the outlet channel (120).

COMPLETE SPECIFICATION: 15 PAGES

DRAWINGS: 05 SHEETS



IND. CL. : 32 B, 56 G **193937**

INT. CL. : B 01 J 23/68
C 07 C 51/215, 51/46

TITLE : A PROCESS FOR THE PRODUCTION OF ACETIC ACID
FROM A GASEOUS MIXTURE

APPLICANT : BP CHEMICALS LIMITED,
BRITANNIC HOUSE, 1 FINSBURY CIRCUS,
LONDON EC2M 7BA, UNITED KINGDOM.
A BRITISH COMPANY

INVENTOR : 1) BRAIN ELLIS
2) JOHN COOK
3) MICHAEL DAVID JONES
4) SIMON JAMES KITCHEN
5) PHILLIP HOWARD

INTERNATIONAL APPLICATION NO : PCT/GB99/00996 DATED 31/03/1999

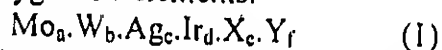
INDIAN APPLICATION NO. : IN/PCT/2000/00428/MUM DATED 22/09/2000

PRIORITY NO. : 9807142.6 DATED 02/04/1998 OF GREAT BRITAIN

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES, 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

18 CLAIMS

1) A process for the production of acetic acid from a gaseous mixture comprising ethane and/or ethylene which process comprises contacting the gaseous mixture with a molecular oxygen-containing gas at elevated temperature in the presence of a catalyst composition for the selective oxidation of ethane and/or ethylene to acetic acid which composition comprises in combination with oxygen the elements:



Wherein X is the elements Nb and V;

Y is one or more elements selected from the group consisting of:

Cr, Mn, Ta, Ti, B, Al, Ga, In, Pt, Zn, Cd, Bi, Ce, Co, Rh, Cu, Au, Fe, Ru, Os, K, Rb, Cs,
Mg, Ca, Sr, Ba, Zr, Hf, Ni, P, Pb, Sb, Si, Sn, Tl, U, Re and Pd;

a, b, c, d, e and f represent the gram atom ratios of the elements such that

$$0 < a \leq 1, 0 \leq b < 1 \quad \text{and} \quad a + b = 1;$$

$$0 < (c + d) \leq 0.1;$$

$$0 < e \leq 2; \text{ and}$$

$$0 \leq f \leq 2.$$

COMPLETE SPECIFICATION : 17 PAGES

DRAWINGS: NIL.

IND. CL. : 170 B, 170 D 193938

INT. CL. : C 11 D 3/14

TITLE : NON LIQUID ABRASIVE CLEANING COMPOSITION

APPLICANT : HINDUSTAN LEVER LIMITED
HINDUSTAN LEVER HOUSE,
165/166, BACKBAY RECLAMATION,
MUMBAI – 400 020,
MAHARASHTRA, INDIA
AN INDIAN COMPANY

INVENTOR : 1) KAPOOR BIR
2) RAMAMURTHI SURESH
3) MURTHY KAMSU VENKATA SATYANARAYANA
4) VALLURI PRASHANT RAMARAO
5) SANKHOLKAR DEVADATTA SHIVAJI

INTERNATIONAL APPLICATION NO : -----

INDIAN APPLICATION NO. : 528 BOM 1999 DATED 26/07/1999

COMPLETE AFTER/PROVISIONAL SPECIFICATION FILED ON 25.07.2000

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

11 CLAIMS

1) Non-liquid abrasive cleaning compositions comprising 0.5-35%wt of one or more surfactants wherein at least 10% of surfactant is anionic with alkanolammonium counter ions, 0.5-10% of one or more additional alkanolamines and 30-95%wt of at least one particulate abrasive

PROVISIONAL SPECIFICATION : 15 PAGES
COMPLETE SPECIFICATION : 16 PAGES

DRAWINGS: NIL
DRAWINGS: NIL

IND. CL. : 185 B 193939

INT. CL. : A 23 F 3/08

TITLE : A METHOD AND AN APPARATUS FOR PROCESSING
WHOLE LEAF TEA

APPLICANT : HINDUSTAN LEVER LIMITED
HINDUSTAN LEVER HOUSE,
165/166, BACKBAY RECLAMATION,
MUMBAI – 400 020,
MAHARASHTRA, INDIA
AN INDIAN COMPANY

INVENTOR : 1) HODGES CLARE ROSALIND
2) MAWSON DAVID JONATHAN

INTERNATIONAL : -----
APPLICATION NO

INDIAN : 563 BOM 1999 DATED 12/08/1999
APPLICATION NO.

PRIORITY NO. : -----

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

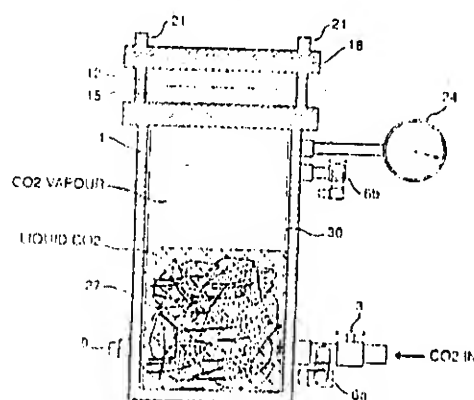
09 CLAIMS

1) A method for processing whole leaf tea comprising the steps of harvesting tea leaves, impregnating tea leaves with liquid carbon dioxide within a pressure vessel, depressurising the vessel at a rate that is sufficient to freeze the liquid carbon dioxide, applying sufficient heat to cause the frozen carbon dioxide to sublime and consequently initiate fermentation within the leaves, allowing the tea to ferment for a time that is sufficient to achieve desired liquor properties, arresting the fermentation and drying the fermented product to yield the whole leaf tea.

COMPLETE SPECIFICATION : 27 PAGES

DRAWINGS: 08 SHEETS

Fig.2.



IND. CL. : 150 C + D 193940

INT. CL. : F 16 L 33/22

TITLE : MOLDED HOSE JOINT ASSEMBLY.

APPLICANT : THE GATES CORPORATION
A CORPORATION ORGANISED UNDER
THE LAWS OF THE STATE OF DELAWARE
OF 900 SOUTH BROADWAY, DENVER,
COLORADO, 80209,
UNITED STATES OF AMERICA.

INVENTORS 1) KEITH M. KRAUSE
2) MELVIN L. MARRIOTT

INTERNATIONAL APPLICATION NO
INDIAN : IN/PCT/2000/00293/MUM DATED 14.08.2000
APPLICATION NO.

PRIORITY NO. : 60/077,981 DATED 13/03/1999 OF U.S.A.

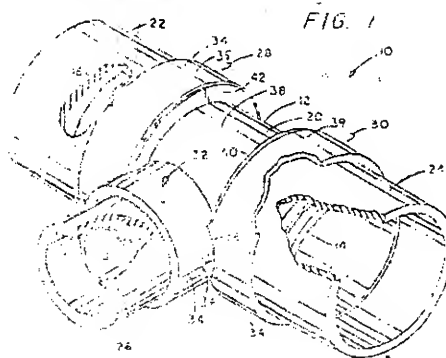
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

13 CLAIMS

A molded hose joint assembly comprising a substantially rigid inner connection member having at least two hose connection ports and a trunk portion; at least two flexible hose members, each said hose member being positioned on said inner connection member at one of the said hose connection ports to define respective hose connection points; an outer covering element engaging at least an outer circumferential portion of each of said at least two hose members at said hose connection points, and substantially sealing said hose members to said inner connection member, and characterized in that; said outer covering element forms a circumferential portions about at least two of said hose connection points, said circumferential portions interconnecting with each other to define a hose connection point intersecting region, and wherein the portion of said trunk portion of said inner connection member outside said intersecting region remains substantially free of said covering element, to define a non-intersecting region.

Comp.specn.: 19 pages

Drawings -- 4-- sheets.



Ind.Cl.:137, 147

193941

Int.Cl⁷:G 10 L 5/02, G 10 L 21/02, G 10 L 13/02

"AN LPC - TYPE SPEECH SYNTHESISER AND A POST - PROCESSING METHOD FOR ENHANCING LPC - SYNTHESISED SPEECH"

Applicant: NOKIA MOBILE PHONES LIMITED,
A FINNISH COMPANY,
OF P O BOX 86,
SF - 24101, SALO,
FINLAND

Inventors: 1. KARI JARVINEN
2. TERO HONKANEN

Application No1054/MAS/1996 filed on 14th June 1996

Convention No.9512284 on, 16th June 1995 in UK

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)
Patent Office, Chennai Branch.

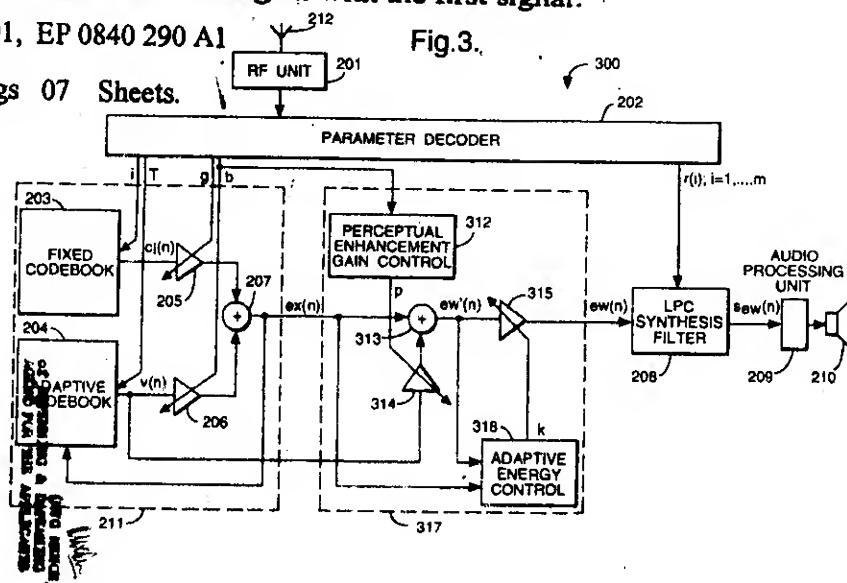
40 Claims

1. An LPC-type speech synthesiser, comprising a post-processing means (317) for operating on a first signal ($ex(n)$) including speech periodicity information and derived from an excitation signal source (211), wherein the excitation signal source comprises a fixed code book (203) and an adaptive code book (204), and means (207) for obtaining the first signal by combining first and second partial excitation signals originating from the fixed and adaptive code books, wherein the post-processing means is adapted to modify the speech periodicity information content of the first signal in accordance with a second signal generated from the excitation signal source by comprising gain control means (314) for scaling the second signal in accordance with a first scaling factor (p) derived from pitch information associated with the first signal and means (313) for combining the second signal with the first signal.

Reference to : W 091/06091, EP 0840 290 A1

Comp.Specn. 37 Pages; Drgs 07 Sheets.

Fig.3.



Indian Classification	:-	28 C	193942
International Classification ⁷	:-	F 23D 14/22, F 23M 5/02, F 23D 14/32, F 23C 5/00	
Title	:-	"AN ASSEMBLY OF AN OXYBURNER"	
Applicant	:-	L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCES GEORGES CLAUDE, 75 QUAI D'ORSAY, 75321 PARIS CEDEX 07, FRANCE.	
Inventors	:-	THIERRY DUBOUDIN - FRANCE LOUIS PHILIPPE - U.S.A. SERGE LAURENCEAU - FRANCE ERIC DUCHATEAU - U.S.A. JEAN-YVES IATRIDES - FRANCE	
Kind of Application	:-	COMPLETE	
Application for Patent Number	1552/del/1995	filed on	21/08/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 11)

An assembly of an oxyburner (1) comprising an opening block (3) of refractory material formed with a through passage (2), characterized in that the passage (2) comprises a substantially cylindrical outlet region (4) of a diameter D_s and a length L_s , connecting to a substantially cylindrical inlet region (5) of a diameter D_e , the ratio D_s/D_e being comprised between 1.5 and 2.5 and the ratio $L_s/(D_s - D_e)$ being comprised between 2 and 7.

Complete Specification

No of Pages

09

Drawing: Sheets

02

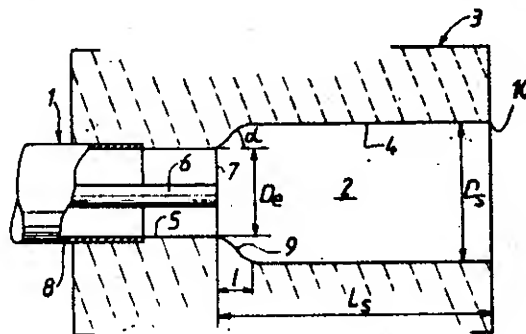


FIG.1

International Classification: 140A 153943

International Classification:
C 10 M 141/00
C 10 M 141/10
C 10 M 163/00

"A LUBRICATING COMPOSITION AND A METHOD FOR PREPARING THE SAME

THE LUBRIZOL CORPORATION, a corporation
organized under the laws of the State of Ohio, United
States of America, of 29400 Lakeland Boulevard,
Wickliffe, Ohio 44092-2298, United State of America

ROBERT CARL RICHARDSON - US

Kind of Application: Complete

Publication for Patent Number 1124/DEL/1995 filed on 16.06.95

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Parent
Office Branch, New Delhi - 110 008.

(19 Claims)

A lubricating composition, preferably a gear oil composition comprising at least one element of an oil of lubricating viscosity and (a) at least one sulfur compound of the formula R_2S wherein R is defined as (i) at least one ammonium salt of a phosphonic acid ester, (ii) at least one phosphonic acid, (iii) at least one monothiophosphate or at least one thiophosphate, (iv) at least one phosphite, and (v) at least one phosphonate, wherein (a) is present in an amount from 0.1% up to 10% by weight and (b) is present in an amount from 0.1% up to 5% by weight, (c) is present in an amount from 0.1% up to 5% by weight, and (d) is present in an amount from 0.1% up to 5% by weight, wherein the lubricating composition optionally contains (e) at least one dispersant or at least one borated overbased metal salt of an acidic organic compound, wherein the lubricating composition contains less than 2 % by weight of a dispersant

Incomplete Specification 53 Pages, Drawings NIL, Sheets)

Indian Classification - 134 A **193944**

International Classification⁷ - F 01 M 11/12, B 60 K 15/073, B 62 J 31/00

Title - "A LIQUID LEVEL INDICATOR FOR A VEHICLE TANK".

Applicant - PIAGGIO & C. S.P.A., an Italian company of Viale Rinaldo Piaggio, 25 Pontedera Pisa Italy.

Inventors - GIUSEPPE CALDERANI - ITALY

Kind of Application - COMPLETE/CONVENTION

Publication for Patent Number 193944 Date 19/09/2004

Convention No. MI 95/110 00401 / 7-06/1995/IT

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office - New Delhi Branch - 110 008.

(Claims 08)

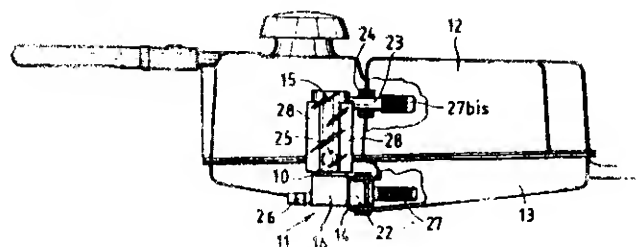
A liquid level indicator for a vehicle tank, comprising a hollow body to be associated with a tank in proximity to its base and containing floating element floating on said liquid, characterised in that said hollow body upperly comprises at least one vertically extending chamber within which said floating element is contained and is movable; from the upper end of said at least one chamber there extending a pipe stub to establish communication with said tank, said at least one chamber being connected lowerly to a connector for connection to said tank, said hollow body is constructed of transparent material.

Fig.1

Complete Specification

No of Pages

10



Drawing Sheets

02

Ind. Cl. : 32 F 2° C **193945**

Int Cl⁴ : C 07 C 69 / 12

"PROCESS FOR PRODUCING α (TERT-ALKYL)
CYANOACETIC ACID ESTER"

APPLICANT(S) : SUMITOMO CHEMICAL COMPANY
LIMITED OF 5-33 KITAHAMA
4-CHOME CHUO-KU, OSAKA 541
JAPAN
A JAPANESE COMPANY

INVENTOR(S) : 1. ATAUSHI KAETSU;
2. YOSHIMI YAMADA.

APPLICATION NO : 107 MAS 97 FILED ON 21-Jan-97

CONVENTION NO. ON , 08-008944 ON 23-Jan-96 JAPAN.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 2003))PATENT OFFICE, CHENNAI BRANCH.

10 CLAIMS

A process for producing an α -(tert alkyl)cynoacetic acid ester in which the alkyl group has 1 to 8 carbon atoms, comprising the steps of reacting a cyanoacetic acid C1-C8 alkyl, phenyl or benzyl ester with a di (C1-C4 alkyl)aluminium halide at 0°C to 60°C in an amount ratio of 0.5 to 2 mols of said di(C1-C4 alkyl)aluminium halide based on 1 mol of said cyanoacetic acid ester, reacting the resulting reaction product with a C4-C8 tert-alkyl halide at 0°C to 60°C in an amount ratio of 0.5 to 2 mols of said tert-alkyl halide based on 1 mol of said cyanoacetic acid ester, and recovering the α -(tert alkyl)cynoacetic acid ester in a known manner.

COMP.SPECN: 12 PAGES DRAWING: NIL SHEETS.

Indian Classification :- 195 D 193946

International Classification⁷ :- F 16 K 5/04, F 16 L 55/10, F 16 K 21/18, F 16 K 21/04.

Title :- " SHUT-OFF VALVE ASSEMBLY "

Applicant :- Sanjeev Maini of WZ-92A, Raja garden, Ring Road, New Delhi -110015, India

Inventors :- SANJEEV MAINI - INDIA

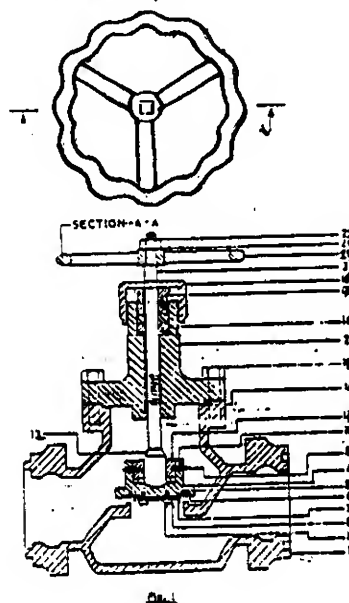
Kind of Application :- COMPLETE

Application for Patent Number 1567/del/1999 filed on 21/12/1999

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 07)

A shut-off valve device for refrigerant liquid and /or gases comprising a valve body having an inlet port, an outlet port and a flat annular valve seat provided within the said valve body between the said ports an internally threaded bonnet sealingly fitted on the said valve body to provide a leak proof assembly an axially shiftable externally threaded valve stem provided in the said internally threaded bonnet enabling the said valve stem to move axially while providing circular rotation to the said valve stem a hand wheel provided on the said valve stem to move the valve stem rotatably a valve disc provided at the lower end of the said valve stem a circular collar provided around the outer surface of the said valve disc an annular groove provided adjacent to the said circular collar to house the resiliently compressible deformable circular ring a circular disc provided in the center of the lowermost portion of the said valve disc having a pair of holes a sealing ring having the outer diameter conforming to the inner diameter of the said circular collar and inner diameter conforming to the outer diameter of the said circular disc, compressing the said resiliently compressible deformable circular ring placed at the bottom end of the said valve disc, a retainer plate having a diameter more than the diameter of the said circular disc, rigidly fixed to the lower portion of the said valve disc holding the said sealing ring.



Complete Specification No of Pages 13

Drawings Sheets 03

Inventor

Name

No. of

Inventor's

No. of

THE PROCESS FOR THE PRODUCTION OF 2-AMINO-1,3-DIBENZYL-CIS-4,5-IMIDAZOLIDINE-DICARBOXYLIC ACID

Applicant(s)

F. HOFFMANN LA ROCHE AG
124 GRENZACHERSTRASSE
CH-4070 BASLE
SWITZERLAND
A SWISS COMPANY

Inventor(s)

1. KLAUS BEHRINGER.

Application No

678/MAS/00

Filed on 23-Aug-00

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4, PATENT RULES, 1969) PATENT OFFICE, CHENNAI BRANCH

12 CLAIMS

A process for the production of 2-amino-1,3-dibenzyl-cis-4,5-imidazolidine-dicarboxylic acid starting from meso-2,3-bis(benzylamino)succinic acid dialkali metal salt, which process comprises reacting meso-2,3-bis(benzylamino)succinic acid dialkali metal salt with triphosgene in a two-phase solvent system consisting of an aqueous alkali hydroxide solution and an organic solvent at a temperature not exceeding about 50° C, and converting the resultant 2-oxo-1,3-dibenzyl-cis-4,5-imidazolidinedicarboxylic acid dialkali metal salt which is present in the aqueous phase, into the desired 2-amino-1,3-dibenzyl-cis-4,5-imidazolidinedicarboxylic acid by acidification and subsequently isolating the same therefrom in a known manner.

COMP. SPECN: 17 PAGES (DRAWING: 00 SHEETS)
REFERENCE CITED: US 7,113,551

Ind.Cl.:

53 C

193948

Int Cl⁴ :

B 62 M 3/08

"A CYCLING SHOE CLEAT-ENGAGING BICYCLE PEDAL"

APPLICANT(S) :

SHIMANO INC
OF 77 OIMATSU - CHO
3-CHO, SAKAI, OSAKA 590
JAPAN, A JAPANESE COMPANY.

INVENTOR(S) :

1. YUTAKA UEDA

Application No.

1594 MAS 95

filed on 5-Dec-95

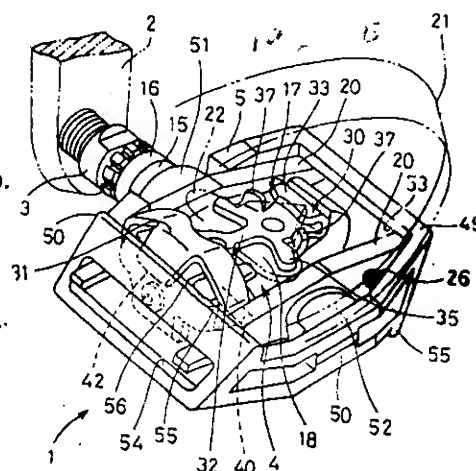
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4, PATENTS RULES, 2003), PATENT OFFICE, CHENNAI BRANCH.
3 CLAIMS

A cycling shoe cleat-engaging bicycle pedal, comprising

- a pedal shaft (3) connectable to a bicycle crank;
 - a clasping mechanism (17) mounted on said pedal shaft to be substantially orthogonal therewith, said clasping mechanism having a front cleat clasping brace (30), and a rear cleat clasp (31) for clasping corresponding front and rear portions of a cycling shoe cleat; and
 - a pedalling body (5) having a pedalling face (49) at least partly surrounding said cleat clasping mechanism;
- characterized in that:

said pedaling body is pivotal relative to at least
one of said front cleat clasping brace and said rear cleat clasp.

COMP. SPECN.: 24 PAGES DRAWINGS: 6 SHEETS
REFERENCE: JAPAN-H3-159893



IND. CL. : 117 B 193949
INT. CL. : B 25 G 3/28
TITLE : A LOCKING PIN FOR EXCAVATING EQUIPMENT
APPLICANT : ESCO CORPORATION
 OF 2141 N.W. 25TH AVENUE
 PORTLAND, OREGON 97210,
 UNITED STATES OF AMERICA
 OF THE STATE OF OREGON,
 U.S.A.
INVENTORS JOHN ST. CLAIR KREITZBERG
INTERNATIONAL APPLICATION NO : PCT/US 98/026406 DATED 11.12.1998
INDIAN APPLICATION NO. : IN/PCT/2000/001119/MUM DATED 22.06.2000
PRIORITY NO. : 08/993,173 DATED 18.12.1997 OF U.S.A.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

10 - CLAIMS.

A locking pin for excavation equipment, the locking pin for joining together parts by insertion of said locking pin into aligned locking apertures, said locking pin comprising;

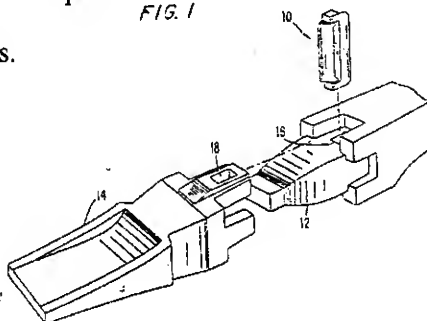
a first rigid member having a first body extending in a longitudinal direction and provided with a first assembly structure;

a second rigid member having a second body extending in the longitudinal direction and provided with a second assembly structure, said second rigid member assembled to said first rigid member and constrained in the longitudinal direction and in a first lateral direction with respect to said first rigid member by cooperation of said first assembly structure with said second assembly structure; and

an elastomer member incorporated between said first rigid member and said second rigid member to resiliently bias said first and second rigid members apart.

Comp.specn.: 16 pages Drawings - 13- sheets.

FIG. 1



Ind.Cl.:139

193950

Int.Cl⁷:C 09D 11/02

A PROCESS FOR PREPARING A CARBON BLACK HAVING ATLEAST
ONE ORGANIC GROUP SUCH AS HEREIN DESCRIBED GRAFTED THERETO

Applicant: CABOT CORPORATION
A CORPORATION ORGANIZED AND EXISTING UNDER THE
LAWS OF THE STATE OF DELAWARE,
USA OF 75 STATE STREET, BOSTON,
MASSACHUSETTS 02109-1806
USA

Inventors: 1. JAMES A BELMONT ;
2. ROBERT M AMICI;
3. COLLIN P GALLOWAY

Application No1654/MAS/95 filed on 14TH DEC 1995

Convention No.08/356,660 on, 15TH DEC 1994 in US

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003).
Patent Office, Chennai Branch.

52 Claims

1. A process for preparing a carbon black having atleast one organic group such as herein described grafted thereto, comprising the step of reacting carbon black with at least one known diazonium salt under known conditions suitable for dissociation or reduction of the diazonium salt, other than external application of electrical current, and recovering carbon black with at least one organic group grafted thereto in a known manner.

Reference to : US 3686111;3846141;4006031;4014833;4176364;4061830 WO 92/13983
US 2502254;2514236;3335020.

Comp.Speen. 192 . Pages; Drgs Nil. Sheets.

Indian Classification :- 9E, 39E

193951

International Classification⁷ :- C 07F 7/08, C 01B 31/36

Title :- "A PROCESS FOR THE PREPARATION OF SILICON CARBIDE WHISKERS, PLATELETS AND FIBRES".

Applicant :- THE CHIEF CONTROLLER, Research & Development Orgn.,
Ministry of Defence, Government of India, B-341, Sena Bhawan,
DHQ P.O., New Delhi – 110 011, Indian.

Inventors :- RAGHAVARAPU VENKATA KRISHNARAO – INDIAN
YASHWANT RAMACHANDRA MAHAJAN – INDIAN.

Kind of Application :- COMPLETE

Application for Patent Number 30/del/96 filed on 05/01/96

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent
Office, New Delhi Branch - 110 008.

(Claims 6)

A process for preparation of silicon carbide whiskers, platelets and fibres comprising the steps of:

- (a) Ultrasonically dispersing Si_3N_4 in an alcoholic solvent preferably n-butanol;
- (b) adding chopped cotton fibres to the solution of step (a) in the ratio 0.3 mole of SiN_4 to 1.0 mole of the chopped cotton fibre, keeping the reaction mixture for 0.5 to 2 hours at room temperature, filtering the reaction products and separating the filtrate;
- (c) heating the said filtrate at a temperature of 85 to 90°C for 6 to 12 hours and collecting the resulting intermediate;
- (d) loading the said intermediate in a graphite container of 2.0 to 3.5mm wall thickness closed with a graphite stopper;
- (e) pyrolysing the said graphite container in a resistance heating furnace at temperature of 1200 to 1600°C for 0.25 to 1 hour under flow of inert gas preferably argon gas, the flow rate for the said inert gas being 0.1 to 1.0 litre/minute and the heating rate being 10-50°C/minute;
- (f) heating the resulting product in the said graphite container preferably at 650 to 750°C for preferably 2-3.5 hours to obtain silicon carbide whiskers or platelets or fibres as herein described.

Complete Specification

No of
Pages

08

Drawings
Sheets

NIL

Indian Classification	:-	39	193952
International Classification ⁷	:-	C 22B 19/00	
Title	:-	"AN IMPROVED PROCESS FOR PREPARATION OF ZINC FROM ZINC ASH"	
Applicant	:-	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India.	
Inventors	:-	ARUN KUMAR MAJUMDER - INDIAN BHAROS - KUJUR - INDIAN JAYANTA - KONAR - INDIAN.	
Kind of Application	:-	COMPLETE	
Application for Patent Number		2631/del/1996	filed on 29.11.96

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 3)

An improved process for preparation of zinc from zinc ash which comprises grinding alkali oxide to 150 to 75 micron, mixing thoroughly with zinc ash powder, at a ratio 1:10 roasting at a temperature of 900 to 1300°C for a period of 30 to 720 minutes to produce zinc oxide, recovering zinc from the said oxide by conventional methods, such as leaching with sulphuric acid followed by electrolysis of leachant to get desired zinc, said process characterized in mixing alkali oxide with zinc ash at a ratio 1:10 during oxidizing roasting of zinc ash.

Complete Specification	No of Pages	12	Drawings Sheets	NIL
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Indian Classification	:-	170 B	193953
International Classification ⁷	:-	C 23G 1/02, B 08B 9/02	
Title	:-	"A PROCESS FOR PREPARATION OF A NON-TOXIC SYNERGISTIC COMPOSITION USEFUL FOR CLEANING/DESCALING OF APERTURES/PIPES"	
Applicant	:-	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India.	
Inventors	:-	NAVIN - CHANDRA - INDIAN SUDHIR SITARAM AMRITPHALE - INDIAN	
Kind of Application	:-	COMPLETE	
Application for Patent Number	651/del/1997	filed on	17.3.97

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 2)

A process for preparation of a non-toxic synergistic composition useful for cleaning/descaling of apertures/pipes which comprises dissolving in water 1 to 25 wt% of edible acids selected from hydroxy and carboxylic organic acids such as tartaric, citric acid and 0.1 to 20 wt% polyphosphate based clay suspending/cleaning agent selected from di-sodium hydrogen phosphate, sodium hexametaphosphate and mixture thereof to make the final volume 100% to get desired non toxic synergistic composition.

Complete Specification	No of Pages	9	Drawings Sheets	NIL
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Indian Classification	:-	103	193954
International Classification ⁷	:-	C 23F 13/22	
Title	:-	"A device useful for evaluating corrosion inhibitors used for corrosion control of overhead distillation units".	
Applicant	:-	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India, an Indian registered body incorporated under the Registration of Societies Act.	
Inventors	:-	ANANTHAKRISHNAN JAYARAMAN - INDIAN RAKESH CHANDRA SAXENA - INDIAN STANLEY PORTION - INDIAN	
Kind of Application	:-	COMPLETE	
Application for Patent Number	1863/del/1997	filed on	04/07/1997

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 6)

A device useful for evaluating corrosion inhibitors used for corrosion control of overhead distillation units, which comprises a distillation flask (1) having means for thermo regulated heating, the said distillation flask (1) being provided with temperature probe (2) and stirrer (5, 6), the said distillation flask being connected to a graduated receptacle (3) provided with means (4) for condensing distillate vapors, the said graduated receptacle (3) being provided at its top and bottom with corrosion monitoring probes (7) and temperature probes (2).

Complete Specification

No of Pages 13

Drawings Sheet 01

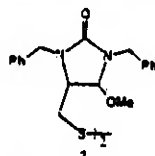
Indian Classification	: 55 F; 32 F2(B)	193955
International Classification ⁷	: A23K 1/22	
Title	: "A PROCESS FOR THE PREPARATION OF 1,3-DIBENZYL-4-(1,3-DIBENZYL-5-METHOXY-2-OXOTETRAHYDRO-1H-4-IMIDAZOLYLMETHYLDISULFANYLMETHYL)-5-METHOXYTETRAHYDRO-1H-2-IMIDAZOLONE."	
Applicant	: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	: SUBHASH PRATAPRAO CHAVAN - INDIAN SUBHASH KRISHNAJI KAMAT - INDIAN RAI BEENA - INDIAN SIVADASAN LATHA - INDIAN BALAKRISHNAN KAMALAM - INDIAN RAMALINGAM SADYANDI - INDIAN CHITTIBOYINA AMAR GOPAL - INDIAN DESHPANDE VISHNU HARI - INDIAN	
Kind of Application	: Complete	

Application for Patent Number 895/Del/2000 filed on 6th Oct. 2000.

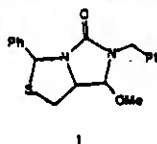
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi - 110 008.

(5 Claims)

A process for the preparation of 1,3-dibenzyl-4-(1,3-dibenzyl-5-methoxy-2-oxotetrahydro-1H-4-imidazolylmethylthio)-5-methoxytetrahydro-1H-2-imidazolone having general formula (2)



which comprises of the reacting an alkali metal with compound 6-benzyl-7-methoxy-3-phenylperhydroimidazo[1,5-c][1,3]thiazol-5-one having general formula (1)



in the presence of an organic solvent such as herein described for the period of 30 minutes to 2 hrs at temperature ranging between 25-40°C; quenching with protic source selected from methanol, ethanol or water, evaporating the organic solvent by known method and purifying the product by conventional purification methods to obtain 1,3-dibenzyl-4-(1,3-dibenzyl-5-methoxy-2-oxotetrahydro-1H-4-imidazolylmethylthio)-5-methoxytetrahydro-1H-2-imidazolone of general formula (2).

(Complete Specification 9 Pages Drawings Nil Sheet)

Indian Classification	:	32F ₃ C ; 55E ₄	193956
International Classification ⁴	:	A 61 K 31/21	
Title	:	"AN IMPROVED PROCESS FOR SYNTHESIS OF S(+)-2-O-BENZYLGLYCEROL-1-ACETATE."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	PRANAB GOSWAMI LAMBIT KANWAR NARENDRA NATH DUTTA AMRIT GOSWAMI AJIT KUMAR HAZARIKA BINOD KUMAR GOGOI-all Indian	
Kind of Application	:	Complete	

Application for Patent Number 359/DEL/2001 filed on 27.03.2001.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

(05 Claims)

An improved process for synthesis of S(+)-2-O-benzylglycerol-1-acetate which comprises;

- a) reacting 2-O-benzylglycerol and vinyl acetate in presence of novel lipase enzyme in the powder or immobilized form obtained from *Pseudomonas aeruginosa* of the kind as herein described in a conventional mineral medium carbon substrate and inducer as herein described at a temperature in the range of 25-30°C for a period in the range of 3 to 5 hrs in organic environment optionally using extraneous solvent or solvent as herein described at a stirring speed of 50 - 200 rpm,
- b) recovering the S(+)-2-O-benzylglycerol-1-acetate from the reaction mixture by conventional method as herein described. The said invention is characterized in using novel lipase enzyme isolated from *Pseudomonas aeruginosa*.

(Complete Specification 17 Pages Drawings NIL Sheets)

Indian Classification :- 32 C

193957

International Classification⁷ :- A 61K 35/78

Title :- "A PROCESS FOR THE PREPARATION OF CALCIUM HYDROXYCITRATE".

Applicant :- COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India, an Indian registered body incorporated under the Registration of Societies Act.

Inventors :- GUDDADARANGAVVANAHALLY KRISHNAREDDY JAYAPRAKASHA
INDIAN
BHABANI SANKAR JENA - INDIAN
KUNNUMPURATH KURIAN SAKARIAH - INDIAN

Kind of Application COMPLETE

Application for Patent Number 808/del/2001 filed on 30/07/2001

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 4)

A process for the preparation of calcium hydroxycitrate, which comprises, - a) extracting of rinds of *Garcinia species* as herein described in aqueous condition at a temperature in the range of 100-130°C under 15-20 psi pressure for a period of 20-40 minutes, - b) heating the extract obtained from step a) at 70-90°C, adding alkali or alkali metal salt/hydroxide such as herein described in the pH range of 2-4, - c) filtering by known methods such as herein described the obtained solution in step (b) to obtain filtrate, - d) treating the filtrate obtained in step c) with alkali or alkali metal salt/ hydroxide as defined above at pH range of 6-8, - e) filtering by known method the solution obtained in step d) to obtain product in precipitated form, - f) drying the said precipitate at 80-100°C by conventional methods such as herein described to obtain product in powder form.

Complete Specification

No of Pages

08

Drawings Sheets

NIL

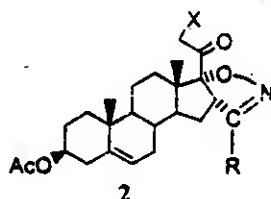
Indian Classification	: 55 E	193958
International Classification ⁷	: CO7D 261/20; A61K 31/00	
Title	: " A PROCESS FOR SYNTHESIS OF NOVEL STEROIDAL ISOXAZOLINES."	
Applicant	: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	: PAPORI GOSWAMI - INDIAN PRITISH K CHOWDHURY – INDIAN	
Kind of Application	: Complete	

Application for Patent Number 1297/Del/2001 filed on 28th Dec. 2001.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi – 110 008.

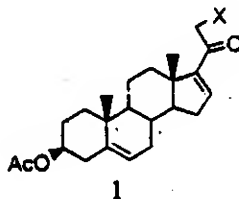
(5 Claims)

A process for the production of novel steroidal isoxazolines of formula 2



wherein X=H, Oac, Cl and R=CH=CH-CH₃, aryl group such as Ph, Ph-NO₂, Ph-Cl, Ph-OCH₃

a) refluxing 20-oxopregnane of formula 1



wherein X=H, Oac, Cl with oxime such as herein described in the range of 1:1 to 1:2 by wt in an alcoholic solvent such as herein described in presence of

chloramines T in a one-pot reactor at a temperature in the range to 50-80°C for a period of 3-6 hours, to produce 16 α , 17 α -d isoxazoline of the formula 2.

- b) separating the steroidal isoxazoline by known method such as herein described and purifying by conventional chromatographic methods such

(Complete Specification 14 Pages Drawings 1 Sheet)

Indian Classification	:	83 A1	.193959
International Classification ⁷	:	A23L 1/221; A23L 1/22	
Title	:	"A PROCESS FOR THE PREPARATION OF POPPY SEED FLAVOURANTS."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	MADENENI MADHAVA NAIDU SATHYAGALAM RANGANATHA DESIKACHARYA SAMPATHU NANJUNDAIAH KRISHNAMURTHY HALAGUR BOGEGOWDA SOWBHAGYA – ALL INDIANS	
Kind of Application	:	Complete	

Application for Patent Number 221/del/2002 filed on 14th March 2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi – 110 008.

(3 Claims)

A process for the preparation of poppy seed (*Papaver somniferum* L.) flavourants in powder or paste form which comprises:

- cleaning physically dry poppy seeds to remove the extraneous matter,
- optionally preconditioning the poppy seeds to moisture content of 20-40 %,
- subjecting the above poppy seeds to microwave radiation at a dosage of 400-800 w for a period of 30 seconds to 20 minutes,
- treating the above said poppy seeds obtained from step b) or c) with 0.1 to 1.0 % aqueous solution of an enzyme mixture such as hererin described at a pH ranging between 4.0 and 6.0,
- holding the above said enzyme treated poppy seeds by heat treatment in hot air at a temperature in the range of 25-50 deg.C for a period of 2 to 16 hrs.,
- inactivating the above enzyme treated poppy seeds by heat treatment in hot air at a temperature in the range of 60-120 deg.C or steaming at a pressure ranging from 0-30 psig for a period of 5 to 30 minutes,

- g) drying the above said inactivated poppy seeds obtained from step f) at a temperature in the range of 40-60 deg.C using conventional dryers for a period of 2-8 hrs. upto a moisture level of 5-10 %,
- h) removing the fixed oil from the above said dried poppy seeds partially by a level of 10-40 % by weight by subjecting it to physical pressing at a pressure of ranging between upto 50-500 kg/cm sq at a temperature of 25 to 80 deg.C,
- i) grinding the partially defatted poppy seed to obtain a powder of particle size ranging from BS 25 to 40 mesh by known methods,
- j) mixing the fixed oil obtained from step h) with a carrier selected from the group consisting of starch, dextrin, casein, protein concentrate and isolate from sources such as ground nut or soybean in a ratio of 1:1 to 1 : 5,
- k) mixing uniformly the powders obtained from the above steps I) and j) using an equipment such as a ribbon blender or a mixer to obtain the desired poppy seed flavourant in powder form,
- l) optionally adding flavourants common salt 0-14 %, Acetic acid 0-2 %, Sugar 0-5 %, Glycerol 0-5 %, Sodium benzoate 0-600 mg/kg and other permitted acidulants selected from citric acid and lactic acid at a level of 0-2 % with poppy seed oil/vegetable oils at a level of 0-5 % on weight basis to the poppy seed flavourants mass obtained in step k) to obtain the poppy seed flavourant paste.

(Complete Specification 16 Pages Drawings Nil Sheet)

Indian Classification	:-	70 C 4	193960
International Classification ⁷	:-	C 25 D 1/00	
Title	:-	"A DEVICE FOR ELECTROFORMING IRON AND AN IMPROVED PROCESS FOR THE PREPARATION OF ELECTROFORMED IRON USING THE SAID DEVICE".	
Applicant	:-	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001.	
Inventors	:-	SHRI KRISHAN NARANG - INDIA INDER - SINGH - INDIA MAHESH NANDAN SINGH - INDIA TRIPURARI LAL SHARMA - INDIA	
Kind of Application	:-	COMPLETE	
Application for Patent Number	165/del/1996	filed on	25/01/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 10)

A device for electroforming iron which comprises a container containing an electrolyte and two electrodes (cathode and anode), the said electrodes being connected through bus bar, a voltmeter, a variable resistance and an ammeter to a D.C. source, characterized in that the said cathode being the article which is to be electroformed, the said anode consisting of acid resistant bags packed with sponge iron fines and iron/titanium rod insert, the said anodic bag being connected to an anodic bus bar by cotton cords, the said iron/titanium insert being connected to the anodic bus bar through a copper wire/rod.

Complete Specification	No of Pages	15	Drawings Sheets	00
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Indian Classification : 55 E 193961

International Classification⁴ : B01D 9/00 ; B01D 9/02

Title : "PROCESS FOR THE PREPARATION AND CRYSTALLIZATION OF A PHARMACEUTICAL COMPOUND"

Applicant : PFIZER PRODUCTS INC. a corporation organized under the laws of the State of Connecticut, United States of America of Eastern Point Road, Groton, Connecticut 06340, United State of America.

Inventors : DAVIT JON AM ENDE.
THOMAS CHARLES CRAWFORD
NEIL PHILIP WESTON-ALL US

Kind of Application : Convention-Complete

Application for Patent Number 598/DEL/2001 filed on 21.05.2001.
Convention date: 60/207, 629/26.05.2000/USA.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008

(20 Claims)

A process for the preparation and crystallization of pharmaceutical compound from its intermediates comprising: contacting one or more liquid jet streams of a solution in a first solvent of a first reactive intermediate of The kind such as herein described, and one or more liquid jet streams of solution in a second solvent of a second reactive intermediate of the kind such as herein before described , with each jet stream of said first reactive intermediate substantially diametrically opposite a jet stream of said second reactive intermediate and each jet stream of said second reactive intermediate substantially diametrically opposite a jet stream of said first reactive intermediate when viewed from overhead, so that each jet stream of said first reactive intermediate is directed into a jet stream of said second reactive intermediate and each jet stream of said second reactive intermediate is directed into a jet stream of said first reactive intermediate, such that the liquid stream meet at a point of impingement to create a vertical impingement film and with said jet streams creating turbulence at their point of impact under conditions of temperature and pressure which permit reaction of said first and second reactive intermediates to produce a product; and selecting said first and second solvents so that said product is insoluble in an mixture of said first and second solvent ; and with each jet stream having sufficiently linear velocity to achieve micromixing of said solution followed by reaction of first and second reactive intermediate, followed by nucleation of said product and production of high surface area crystals of said product that meet bioavailability requirements.

(Complete Specification 16 Pages Drawings 02 Sheets).

Indian Classification	:	182 X·VI(182) 182A	193962
International Classification ⁴	:	A61K-31/00.	
Title	:	“A PROCESS FOR THE PREPARATION OF DERIVATIVES OF MONOSACCHARIDES AS NOVEL CELL ADHESION INHIBITORS”.	
Applicant	:	RANBAXY LABORATORIES LIMITED , a Company incorporated under the Companies Act, 1956 o f19, Nehru Place, New Delhi-110 019, INDIA.	
Inventors	:	SUDERSHAN KUMAR ARORA MADAN PAL TANWAR JANG BAHADUR GUPTA GEETA SHARMA-ALL INDIAN.	
Kind of Application	:	COMPLETE/DIVISIONAL	

Application for Patent Number 898/DEL/2002 filed on 04/09/2002
Divided out of patent application no. 3108/DEL/98 filed on 22/10/1998

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office
Delhi Branch, New Delhi – 110 008.

(02 Claims)

A process for the preparation of derivatives of monosaccharides as novel cell adhesion inhibitors of Formula II (as shown in the accompanied drawings) and it's pharmaceutically acceptable salts, wherein

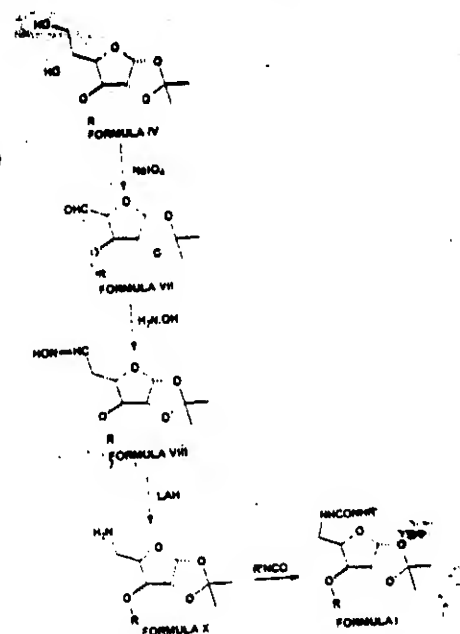
R is C₁-C₁₅ alkyl, alkene, alkyne (straight chain or branched), aryl, substituted aryl or alkylaryl,

R' is SO₂C₆H₅, SO₂C₆H₄CH₃-p, SO₂C₆H₄Cl-p, phenyl or substituted phenyl represented as C₆H₄R'''-p wherein R''' is Cl, NO₂, OCH₃, CH₃ CH₂COOH, CH₂COOCH₃, CH₂COLDVP, CH₂CODVP, CH₂COVP wherein LDVP, DVP and VP represent (Leucyl-aspartyl-valyl-propyl) tripeptide (aspartyl-valyl-prolyl) and dipeptide (valyl-prolyl) respectively;

which comprises reacting 2,3-O-isopropylidene-5-deoxy-1-O-alkyl, alkene, alkyne (straight chain or branched), aryl, substituted aryl or alkyl aryl, with 5-tosyl-α-D-lyxofuranoside of 2,3-O-isopropylidene-5-deoxy-1-O-(alkyl alkyl, alkene, alkyne (straight chain or branched), aryl, substituted aryl or

alkyl aryl)-5-tosyl- α -D-lyxofuranoside (Formula XIII) with sodium azide in an organic solvent selected from the group consisting of dimethylformamide, tetrahydrofuran, diethylether or dioxane at temperature ranging from 50-to140°C followed by reduction with Lithium Aluminium Hydride (LAH) in an organic solvent selected from the group consisting of tetrahydrofuran, dimethylformide, dioxane or diethylether to afford the desired amine of Formula XIV, as shown in the accompanied drawings, which is subsequently treated with suitable isocyanates, R'NCO wherein R' is SO₂C₆H₅, SO₂C₆H₄CH₃-p, SO₂C₆H₄Cl-p, C₆H₄CH₂-COOCH₃, C₆H₄CH₂COOH, C₆H₄R'''-p wherein R''' is Cl, NO₂, OCH₃, CH₃, CH₂COOH, CH₂COOCH₃, CH₂COLDVP, CH₂CODVP, CH₂COVP, wherein LDVP, DVP and VP represent tetrapeptide (Leucyl aspartyl-valyl-prolyl), tripeptide (aspartyl-valyl-prolyl) and dipeptide (valyl-prolyl), respectively to give the compound of Formula II wherein R and R' are same as defined above.

(Complete Specification 09 Pages Drawing 01 Sheet)



Indian Classification	:	182 XVI(182) 182A	193963
International Classification ⁴	:	A61K-31/7052; C07H5/06.	
Title	:	“A PROCESS FOR THE PREPARATION OF DERIVATIVES OF MONOSACCHARIDES AS NOVEL CELL ADHESION INHIBITORS”.	
Applicant	:	RANBAXY LABORATORIES LIMITED , a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi-110 019, INDIA.	
Inventors	:	SUDERSHAN KUMAR ARORA MADAN PAL TANWAR JANG BAHADUR GUPTA GEETA SHARMA-ALL INDIAN.	
Kind of Application	:	COMPLETE/DIVISIONAL	

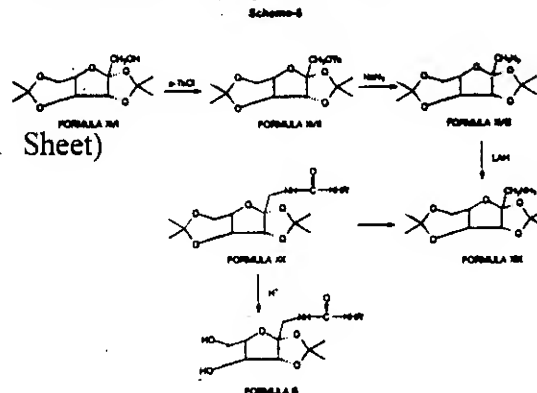
Application for Patent Number 902/DEL/2002 filed on 04/09/2002
Divided out of patent application no. 3108/DEL/98 filed on 22/10/1998

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office
Delhi Branch, New Delhi – 110 008.

(02 Claims)

A process for preparation of derivatives of monosaccharide as novel cell adhesion inhibitors of Formula III (as shown in the accompanied drawings) and its pharmaceutically acceptable salts, wherein
R' is CO-LDVP, CO-DVP, COVP or CHNHCONHR'' wherein LDVP, DVP and VP have the same meaning as defined earlier, wherein R'' is C₆H₅p-R''' wherein R''' is Cl, NO₂, OCH₃, CH₃, CH₂COOH, CH₂COLDVP, CH₂CODVP, CH₂COVP wherein LDVP, DVP, VP have the same significance as defined earlier, which comprises treating 2,3;4,6-Di-O-isopropylidene- α -L-xylo-2-hexalofuranose of Formula XVI with p-toluene sulphonyl chloride to give the compound of Formula XVII (as showed in the accompanied drawings) in the presence of an organic base selected from the group consisting of pyridine, N-methylmorpholine, triethylamine or diisopropylamine at a temperature ranging from -10 to 10°C followed by reaction with sodium azide to give the compound of Formula XVIII (as shown in the accompanied drawings) in an organic solvent selected from the group consisting of dimethylformamide, tetrahydrofuran, diethyl ether or dioxane and heating the reaction mixture at a temperature ranging from

50 to 140°C, which on reduction with lithium aluminium hydride (LAH) gives the corresponding 1-aminoderivative of Formula XIX (as shown in the accompanied drawings) in an organic solvent selected from the group consisting of tetrahydrofuran, dimethylformamide, diethyl ether or dioxane, which is treated with suitable isocyanates ($R'NCO$) (wherein R' $SO_2C_6H_5$, $SO_2C_6H_4CH_3$ -p or $SO_2C_6H_4Cl$ -p, $C_6H_4CH_2COOCH_3$, $C_6H_4CH_2COOH$, C_6H_4R'' -p and R'' is Cl, NO_2 , OCH_3 , CH_3 , CH_2COOH , CH_2COOCH_3 , $CH_2COLDVP$, CH_2CODVP , CH_2COVP , wherein LDVP, DVP and VP represent tetrapeptide (Leucyl-aspartyl-valyl-propyl), tripeptide (aspartyl-valyl-prolyl) and dipeptide (valyl-propyl) respectively) in an organic solvent selected from the group consisting of methylene chloride, ethylene chloride, chloroform or carbon tetrachloride to give the compound of Formula XX (as shown in the accompanied drawings) wherein R' is the same as defined above, followed by selective hydrolysis of 4,6 positions to give the desired compound of Formula III.



Indian Classification : 182 XVI (182) 182A 193964

International Classification4 : A61K-31/00.

Title : **"A PROCESS FOR THE PREPARATION OF DERIVATIVES OF MONOSACCHARIDES AS NOVEL CELL ADHESION INHIBITORS".**

Applicant : **RANBAXY LABORATORIES LIMITED**, a Company incorporated under the Companies Act, 1956 o f19, Nehru Place, New Delhi-110 019, INDIA.

Inventors : **SUDERSHAN KUMAR ARORA
MADAN PAL TANWAR
JANG BAHADUR GUPTA
GEETA SHARMA-ALL INDIAN.**

Kind of Application : COMPLETE/DIVISIONAL

Application for Patent Number 901/DEL/2002 filed on 04/09/2002
Divided out of patent application No. 3108/DEL/98 filed on 22/10/1998

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office
Delhi Branch, New Delhi – 110 008.

(02 Claims)

.. A process for preparation of derivatives of monosaccharide derivatives of Formula I (as shown in the accompanied drawings) and it's pharmaceutically acceptable salts, wherein

R is C₁-C₁₅ alkyl, alkene, alkyne (straight chain or branched), aryl, substituted aryl or alkylaryl;

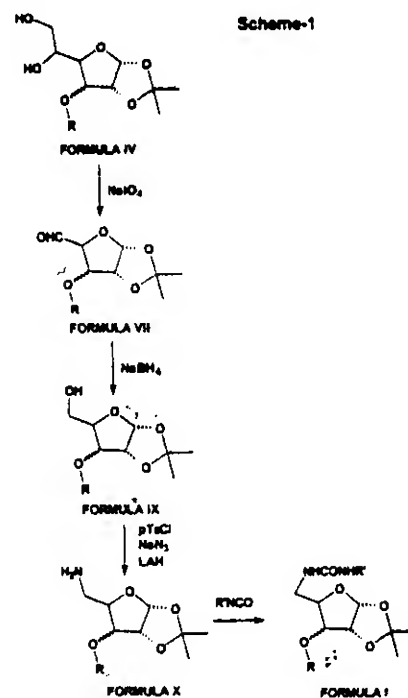
R' is SO₂C₆H₅, SO₂C₆H₄CH₃-p or SO₂C₆H₄Cl-p, phenyl or substituted phenyl represented as C₆H₄R''-p wherein R'' is Cl, NO₂, OCH₃, CH₃, CH₂COOH, CH₂COOCH₃, CH₂COLDVP, CH₂CODVP, CH₂COVP, wherein LDVP, DVP and VP represent tetrapeptide (Leucyl-aspartyl-valyl-propyl), tripeptide (aspartyl-valyl-prolyl) and dipeptide (valyl-propyl) respectively,

R'' is H, which comprises oxidising 1,2,-O-isopropylidene-6-deoxy-3-O-alkyl, alkene, alkyne (straight chain or branched), aryl, substituted aryl or alkylaryl α, D-glucufuranose or α, D-allofuranose of Formula IV (as shown in the accompanied drawings) (Scheme-I) where R has the same significance as defined above with sodium per iodate (NaIO₄) to give the compound of Formula VII at a temperature ranging from -10 to 10°C followed by reduction with sodium borohydride (NaBH₄)

to give the corresponding α ,D-xylofuranose or α ,D-ribofuranose derivatives of Formula IX (as shown in the accompanied drawings), which is then tosylated with p-toluene sulphonyl chloride and the product obtained is subjected to reaction with sodium azide (NaN_3) followed by reduction with lithium aluminium hydride (LAH) to give the desired amine of Formula X (as shown in the accompanied drawings) in an organic solvent selected from the group consisting of tetrahydrofuran, dimethylformamide, dioxane or diethyl ether, which is then treated with suitable isocyanates ($\text{R}'\text{NCO}$) (wherein R' $\text{SO}_2\text{C}_6\text{H}_5$, $\text{SO}_2\text{C}_6\text{H}_4\text{CH}_3$ -p or $\text{SO}_2\text{C}_6\text{H}_4\text{Cl}$ -p, $\text{C}_6\text{H}_4\text{CH}_2\text{COOCH}_3$, $\text{C}_6\text{H}_4\text{CH}_2\text{CH}_2\text{COOH}$, $\text{C}_6\text{H}_4\text{R}''$ -p and R'' is Cl, NO_2 , OCH_3 , CH_3 , CH_2COOH , $\text{CH}_2\text{COOCH}_3$, CH_2COLDVP , CH_2CODVP , CH_2COVP , wherein LDVP, DVP and VP represent tetrapeptide (Leucyl-aspartyl-valyl-propyl), tripeptide (aspartyl-valyl-prolyl) and dipeptide (valyl-propyl) respectively) in an organic solvent selected from the group consisting of methylene chloride, ethylene chloride, chloroform or carbon tetrachloride to give the desired compound of Formula I (wherein R and R' are same as defined above and R'' is H).

(Complete Specification 22 Pages

Drawing 01 Sheet)



Indian Classification	:	182 XVI (182) 182A	193965
International Classification ⁴	:	A61K-31/7052	
Title	:	"A PROCESS FOR THE PREPARATION OF DERIVATIVES OF MONOSACCHARIDES AS NOVEL CELL ADHESION INHIBITORS".	
Applicant	:	RANBAXY LABORATORIES LIMITED , a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi-110 019, INDIA.	
Inventors	:	SUDERSHAN KUMAR ARORA MADAN PAL TANWAR JANG BAHADUR GUPTA GEETA SHARMA-ALL INDIAN.	
Kind of Application	:	COMPLETE/DIVISIONAL	

Application for Patent Number 900/DEL/2002 filed on 04/09/2002

Divided out of patent application No. 3108/DEL/98 filed on 22/10/1998

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(02 Claims)

A process for preparation of derivatives of monosaccharides as novel cell adhesion inhibitors of Formula II (as shown in the accompanied drawings) which consists of epimannofuranoside or lyxofuranoside derivatives and its pharmaceutically acceptable salts, wherein

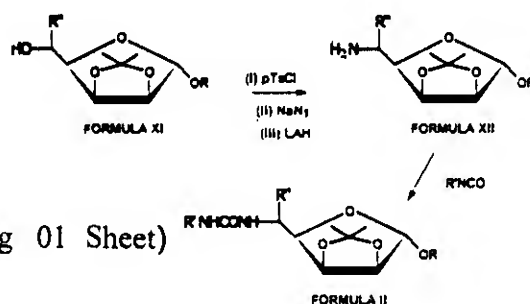
R is C₁-C₁₅ alkyl, alkene, alkyne (straight chain or branched), aryl, substituted aryl or aralkyl;

R' is SO₂C₆H₅, SO₂C₆H₄CH₃-p or SO₂C₆H₄Cl-p, phenyl or substituted phenyl represented as C₆H₄ R''-p, wherein R'' is Cl, NO₂, OCH₃, CH₃, CH₂COOH, CH₂COOCH₃, CH₂COLDVP, CH₂CODVP, CH₂COVP wherein LDVP, DVP and VP represent tetrapeptide (Leucyl aspartyl-valyl-prolyl), tripeptide (aspartyl-valyl-prolyl) and dipeptide (valyl-prolyl) respectively,

R'' is H or CH₃ and (www) represents epiglucofuranose, epiallofuranose, xylofuranose or ribofuranose configuration thereof which comprises reacting 2,3-O-isopropylidene-6-deoxy-1-O-alkyl, alkene, alkyne (straight chain or branched), aryl, substituted aryl or alkylaryl, substituted aryl or alkylaryl mannofuranoside of Formula XI (as shown in the accompanied drawings) wherein R has the same meaning as defined above and R'' is CH₃ with p-toluene sulfonyl chloride in an organic base selected from the group consisting of pyridine, N-methylmorpholine or diisopropylethylamine and cooled the reaction mixture at a temperature ranging from 0 to 15°C

followed by the reaction with sodium azide in an organic solvent selected from the group consisting of dimethylformamide, tetrahydrofuran, diethylether or dioxane and heated the reaction mixture at temperature ranging from 50 to 140°C, which is reduced with lithium aluminium hydride in an organic solvent selected from the group consisting of tetrahydrofuran, dimethylformamide, dioxane or diethylether to afford the corresponding 5-deoxy-5-amino epimannofuranoside derivatives of Formula XII (as shown in the accompanied drawings) wherein R and R' have the same meanings as defined above, which are treated with the isocyanates R'NCO (wherein R' SO₂C₆H₅, SO₂C₆H₄CH₃-p or SO₂C₆H₄Cl-p, C₆H₄CH₂-COOCH₃, C₆H₄CH₂COOH, C₆H₄R''-p and R'' is Cl, NO₂, OCH₃, CH₃, CH₂COOH, CH₂COOCH₃, CH₂COLDVP, CH₂CODVP, CH₂COVP, wherein LDVP, DVP and VP represent tetrapeptide (Leucyl-aspartyl-valyl-propyl), tripeptide (aspartyl-valyl-prolyl) and dipeptide (valyl-propyl) respectively) in an organic solvent selected from the group consisting of methylene chloride, ethylene chloride, chloroform or carbon tetrachloride at a temperature ranging from -10 to 10° to give the compound of Formula II wherein R and R' have the same meanings defined earlier and R'' is CH₃.

Scheme-3



(Complete Specification 16 Pages)

Drawing 01 Sheet)

Indian Classification : 182 XVI (182) 182A 193966

International Classification4 : A61K-31/00.

Title : **"A PROCESS FOR THE PREPARATION OF DERIVATIVES OF MONOSACCHARIDES AS NOVEL CELL ADHESION INHIBITORS".**

Applicant : **RANBAXY LABORATORIES LIMITED, a**
Company incorporated under the Companies Act,
1956 o f19, Nehru Place, New Delhi-110 019,
INDIA.

Inventors : **SUDERSHAN KUMAR ARORA**
MADAN PAL TANWAR
JANG BAHADUR GUPTA
GEETA SHARMA-ALL INDIAN.

Kind of Application : COMPLETE/DIVISIONAL

Application for Patent Number 899/DEL/2002 filed on 04/09/2002

Divided out of patent application No. 3108/DEL/98 filed on 22/10/1998

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office
Delhi Branch, New Delhi – 110 008.

(02 Claims)

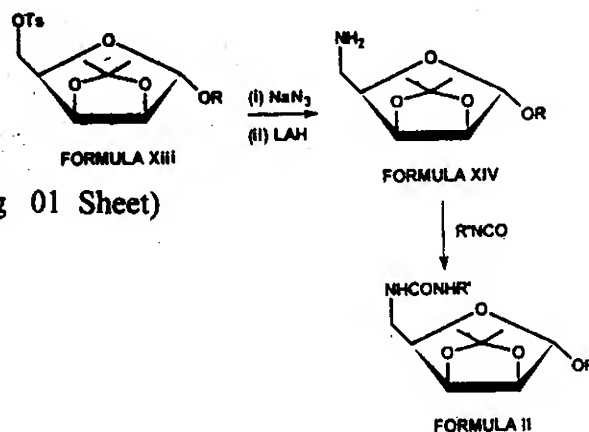
A process for the preparation of derivatives of monosaccharides as novel cell adhesion inhibitors of compounds of Formula I (as shown in the accompanied drawings) and it's pharmaceutically acceptable salts, wherein

R is C₁-C₁₅ alkyl, alkene, alkyne (straight chain or branched), aryl, substituted aryl or allylaryl,

R' is SO₂C₆H₅, SO₂C₆H₄CH₃ -p, or SO₂C₆H₄Cl-p, phenyl or substituted phenyl, represented as C₆H₄-R''-p wherein R'' is Cl, NO₂, OCH₃, CH₃, CH₂COOH, CH₂COOCH₃, CH₂COLDVP, CH₂CODVP, CH₂COVP wherein LDVP, DVP and VP represent tetrapeptide (Leucyl-aspartyl-valyl-prolyl), tripeptide (aspartyl-valyl-prolyl) and dipeptide (valyl-prolyl), respectively;

which comprises oxidising 1,2-O-isopropylidene-6-deoxy-3-O-alkyl, alkene, alkyne (straight chain or branched), aryl, substituted aryl or alkylaryl, α , D-glucofuranose or α -D-allofuranose of Formula IV as shown in the accompanied drawings where R is same as defined above, with sodium periodate (NaIO_4) to give a compound of Formula VII at temperature ranging from -10°C to 10°C . which is reacted with hydroxylamine (NH_2OH) followed by reduction with lithium aluminium hydride (LAH) in an organic solvent selected from the group consisting of tetrahydrofuran, dimethylformamide, dioxane or diethyl ether to give a compound of Formula X as shown in the accompanied drawings wherein R is same as defined above, which is then reacted with the isocyanates $\text{R}'\text{NCO}$, wherein R' is same as defined earlier, in an organic solvent selected from the group consisting of methylene chloride, ethylene chloride, chloroform or carbontetrachloride to give the compound of Formula I wherein R and R' are the same as defined above and R'' is H.

Scheme-4



(Complete Specification 21 Pages)

Drawing 01 Sheet)

Indian Classification : 182 XVI (182) 182A 193967

International Classification4 : A61K-31/7052

Title : "A PROCESS FOR THE PREPARATION OF DERIVATIVES OF MONOSACCHARIDES AS NOVEL CELL ADHESION INHIBITORS".

Applicant : RANBAXY LABORATORIES LIMITED, a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi-110 019, INDIA.

Inventors : SUDERSHAN KUMAR ARORA
MADAN PAL TANWAR
JANG BAHADUR GUPTA
GEETA SHARMA-ALL INDIAN.

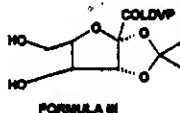
Kind of Application : COMPLETE/DIVISIONAL

Application for Patent Number 897/DEL/2002 filed on 04/09/2002
Divided out of patent application No. 3108/DEL/98 filed on 22/10/1998

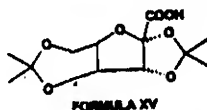
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(02 Claims)

A process for the preparation of derivatives of monosaccharides as novel cell adhesion inhibitors of compounds of Formula III (as shown in the accompanied drawings) and its pharmaceutically acceptable salts,



Which comprises reacting 2,3;4,6-Di-O-isopropylidene- α -L-xylo-2-hexulofuronic acid of Formula XV



with LD (Obzl)VP (Obzl) followed by hydrogenation with palladium on carbon at the temperature ranging from 20-80°C to give compounds of Formula XXI



wherein in COLDVP is defined as tetrapeptide (Leucyl-aspartyl-valyl-prolyl) and selective hydrolysis with perchloric acid at the temperature ranging from -4°C to -20°C to give the compounds of the Formula III

Indian Classification	:	190 A	193968
International Classification ⁷	:	B 01J 8/24; B01J 19/26	
Title	:	"A NOZZLE FOR THE INJECTION OF LIQUID DIRECTLY INTO A FLUIDIZED BED."	
Applicant	:	BP CHEMICALS LIMITED, a British company of Britannic House, 1 finsbury Circus, London EC2m 7BA, England,	
Inventors	:	DAVID NEWTON - UK	
Kind of Application	:	COMPLETE/CONVENTION	

Application for Patent Number 0006/del/96 filed on 2.1.96.

CONVENTION APPLICATION NO. 9500226.7/ UK / 6.1.95

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)
Patent Office Branch, New Delhi - 110 005.

(5 Claims)

A nozzle (1) for the injection of liquid directly into a fluidised bed comprising;

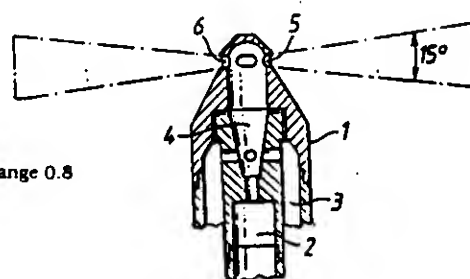
- (a) at least one inlet (3) for a pressurised liquid,
 - (b) at least one inlet (2) for an atomizing gas,
 - (c) a mixing chamber (4) to mix said liquid and gas,
- characterized in that
- (d) at least one outlet (5), (6), being circumferentially provided around the nozzle, through which said gas-liquid mixture is discharged from said mixing chamber directly into fluidised bed, such that

- (i) the rate (R) of liquid discharged from each outlet is in the range 0.009 to 0.130 m³/hr/mm² wherein R is determined from the equation :

$$R = \frac{\text{volume liquid passing through each outlet (m}^3/\text{hr)}}{\text{area of each outlet (mm}^2\text{)}}$$

and

- (ii) the pressure drop across the mixing chamber is in the range 0.8 to 1.5 bar.



Indian Classification	:- 98 D	193969
International Classification ⁷	:- F24J	
Title	:- "A method of an apparatus for heating various process gases"	
Applicant	:- Bharat Heavy Electricals Ltd, BHEL HOUSE, SIRIFORT, NEW DELHI-110 049. INDIA.	
Inventors	:- Vaman Ramarao Malghan -India, Kalyanaraman - Thiagarajan -India, Krishnan Thirumalai - India, Karuthan Malakaran Vadamalayan Malarkka -India, Chokkanathapuram Ramakrishnan Ramanathan -India, Narayan Ram Mohan -India, Ramalingam - Jayapal -India, Alagarsamy - Narasingam -India, Bheemavarapu - Sambireddy -India, Asis Baran Datta -India, Sundarajan - Gowrisankar -India, Mohan - Selvakumar -India, Mariappan - Madhappan -India, Achimuthu - Rajasekaran -India.	
Kind of Application	:- COMPLETE	
Application for Patent Number	21/Del/1996	filed on 04/01/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 12)

An apparatus for heating various process gases which comprises of:

- (a) A cylindrical vessel with thermal insulation on the inner surface thereof,
- (b) A grid located near the lower end of said vessel supporting the pebble bed matrix,
- (c) A combustor near the upper end of said vessel,
- (d) A process gas inlet located below the said grid,
- (e) An outlet for discharge of the heated process gas,
- (f) An outlet for conveying exhaust gases to chimney or stack,
- (g) A dome shaped end cover adequately thermal lined forming the top most part of the cylindrical vessel,
- (h) A mass of ceramic pebbles referred as "pebble bed" forming the main heat exchange matrix.

Complete Specification

No of

12

Drawings

2

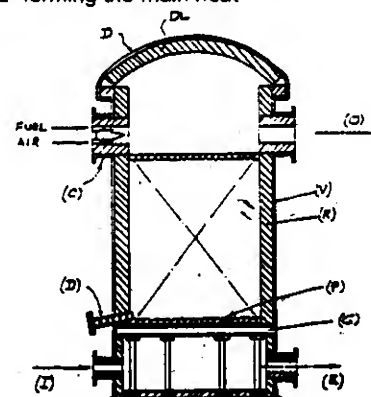


Fig. 1

Indian Classification :- 143 D4 193970

International Classification⁷ :- B 65B 29/02

Title :- "A METHOD FOR ATTACHING A TAG TO A TEA BAG"

Applicant :- I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.p.A., an Italian company, of Via Emilia Levante, 428-442, I-40064 Ozzano Dell' Emilia, Italy.

Inventors :- ANDREA ROMAGNOLI – ITALIAN.

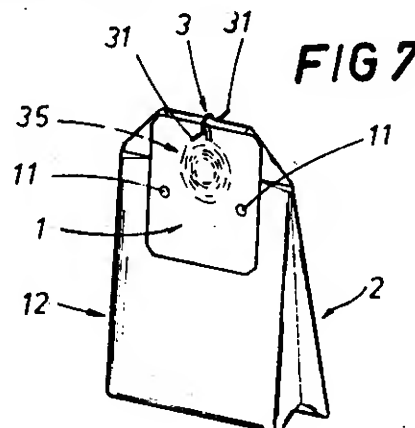
Kind of Application :- COMPLETE

Application for Patent Number 35/de/96 filed on 05/01/96

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office ; New Delhi Branch - 110 008.

(Claims 8)

A method for attaching a tag (1) to a tea bag (2) using a piece of thread (3) fixed to the tea bag (2) at one end and to the tag (1) at the other, the said tea bag (2) and the said tag (1) both having at least one border (5) with reduced thickness, the said method being characterized in that it comprises the following stages: - hooking of a first end or leader (31) of the said thread (3) by an eye (41) of a needle (4) and running of the said needle (4) and thread (3) into the said border (5) in a first direction (R) through to the opposite side of the border itself by a value (L4) sufficient to make a loop (30) in the thread (3), that is to say, to form a section where the thread is doubled up; - widening of the said loop (30) so as to form an aperture (32) through which the said thread (3) can be inserted; - insertion of the said leader (31) into the aperture (32) in the loop (30) and releasing of the said thread (3) by the needle (4), the thread (3) being pulled so as to tighten the resulting knot (33).



Complete Specification

No of Pages

16

Drawings Sheets

5

Indian Classification :- 143 D/4 **193971**

International Classification⁷ :- B 65D 3/32

Title :- "AN IMPROVED CARTON FOR STORAGE AND DISPENSING OF LIQUIDOUS MATERIALS".

Applicant :- Rollatainers Limited, of 13/6, Mathura Road, Faridabad - 121 003.

Inventors :- RAVEEN - CHAUDHARY - INDIAN

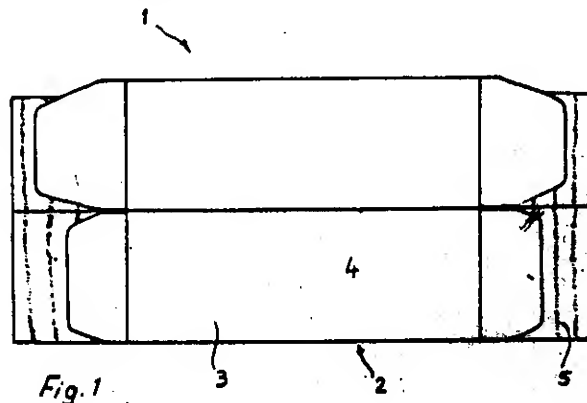
Kind of Application :- COMPLETE

Application for Patent Number 138/del/1996 filed on 23/01/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 2)

An improved carton for storage and dispensing of liquid material comprising an outer sleeve (2) and an inner tube (5) provided within the said outer sleeve (2), the said outer sleeve (2) being made of paper board having a lamination of polymeric material selected from polyester, biaxially oriented polypropylene or polyvinyl chloride on its outer surface, the said paper board having a specific mass of 300 to 500 g/m², the said lamination having a specific mass of 10 to 25 g/m²; characterized in that: - the said inner tube (5) comprises a laminated structure, which comprises preferably a polyester layer of thickness 5 to 15 microns, adhering to a coextruded layer (9, 10, 11) with a tie layer (8) comprising any known adhesive; the said coextruded layer comprising the first outer layer (9) preferably made of low density polyethylene of thickness 15 to 40 microns, a contact layer (11) preferably made of linear low density polyethylene of 40 to 60 microns and an intermediate layer (10) preferably made of high density polyethylene with a thickness of 15 to 40 microns, the said inner tube (5) having an overall thickness of 100 to 150 microns.



Complete Specification No of Pages 06

Drawings Sheet 01

Indian Classification	:	55 E4	193972
International Classification ⁷	:	A61K 35/78	
Title	:	"A PROCESS FOR PREPARING A HERBAL COMPOSITION FOR STIMULATING BONE MARROW CELL PROLIFERATION ACTIVITY."	
Applicant	:	DABUR RESEARCH FOUNDATION, an Indian company formed and incorporated under the Companies Act, 1956 and having its office at: 22, Site IV, Sahibabad, Ghaziabad 201 010, India.	
Inventors	:	CHANDRA KANT KATTIYAR RAJAT GOYAL RAKESH BHASIN DASALUKUNTE BHIMRAO ANANTHANARAYANA RAMESH KUMAR DUGGAL – ALL INDIANS	
Kind of Application	:	Provisional-Complete	

Application for Patent Number 04/Del/2002 filed on 1st Jan. 2002.
Complete left after provisional on 31.12.02.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)
Patent Office Branch, New Delhi – 110 008.

(4 Claims)

A method for preparing a herbal composition for stimulating bone marrow cell proliferation activity and treatment of neutropenia, comprising the steps of :

- a. preparing an extract of *Withania somnifera* roots in a manner as hereindescribed.
- b. Preparing an extract of Shilajit in a manner as hereindescribed,
- c. Combining in equal proportion and heating the extracts of steps (a) and (b) to obtain an extract, and
- d. Concentrating the extract obtained in step (c) and drying the same to obtain a herbal composition.

(Provisional Specification 24 Pages Drawings 4 Sheets)
(Complete Specification 22 Pages Drawings 4 Sheets)

Indian Classification	: 55 E ₂	193973
International Classification ⁷	: A61K 35/78	
Title	: "A METHOD OF PREPARING GARLIC OINTMENT FOR TOPICAL USE IN SKIN INFECTIONS"	
Applicant	: MOREPEN LABORATORIES LIMITED, Antriksh Bhawan, 4 th Floor, 22, K.G. Marg, New Delhi 110 001, INDIA.	
Inventors	: SANJAY SURI- INDIAN JUJHAR SINGH - INDIAN ULLHAS DHUPPAD - INDIAN ASHOK KUMAR BATHAM - INDIAN	
Kind of Application	: Complete	

Application for Patent Number 516/Del/2002 filed on 2nd May 2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi - 110 008.

(4 Claims)

A method of preparing garlic ointment for topical use in skin infections which comprises :

- (i) dispersing the freeze-dried garlic powder in the light liquid paraffin in the ratio of 1:5 to 7:10 (w/w%) to get homogeneous dispersion,
- (ii) preparing homogenous mixture of microcrystalline wax in white soft paraffin in the ratio of 2:70 to 10:90 (w/w%) under stirring and cooling to 40°C,
- (iii) mixing the mixtures obtained in step (i) and step (ii) above under stirring,
- (iv) cooling down the resulting mixture of step (iii) to 30°C and adding suitable perfume to get the ointment with pleasant smell.

(Complete Specification 11 Pages Drawings Nil Sheet)

Indian Classification	:	55 F	193974
International Classification ⁷	:	A01H 1/00	
Title	:	"A PROCESS FOR PREPARATION OF DNA-PROTEIN GOLD PRECIPITATE FOR TRANSFORMATION OF PLANT/TISSUES."	
Applicant	:	THE SECRETARY, DEPARTMENT OF BIOTECHNOLOGY, Block 2, C.G.O. Complex, Lodi Road, New Delhi-110003 and G.B. PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, Pantnagar-263145, U.P. Both Indian Nationals, India.	
Inventors	:	NAGENDRA KUMAR SINGH- INDIAN GOPAL KRISHAN SAILESH - INDIAN	
Kind of Application	:	Complete	

Application for Patent Number 0111/Del/2002 filed on 13th Feb. 2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi – 110 008.

(2 Claims)

A process for preparation of DNA-protein gold precipitated for transformation of plant tissues comprising the steps of:

- (a) linearizing DNA (gene) taken from any source with restriction enzyme such as Not I and Hind III, precipitating the linearized DNA in ethyl alcohol and redissolving in TE solution, the ratio of DNA (gene) to TE solution being 20 µg : 40µl.
- (b) denaturing the linearized DNA by boiling for 5 minutes followed by chilling on ice for 5 minutes to obtain denatured DNA,
- (c) adding purified Vir E₂ protein of agrobacterium to the said denatured DNA in 10:1 ratio and incubating at 4°C for 10 min to obtain DNA protein complex comprising single stranded DNA coated with Vir E₂,
- (d) precipitating the said DNA protein complex onto one micron gold particles comprising the steps of :

- (i) vortexing for 5 minutes the micro carrier of said gold particles comprising gold particles and carrier in the ratio of 3mg of 1micron gold particles to 50 μ l of 50% glycerol, to resuspend the agglomerated particles; transferring half of the said microcarrier and in a sterile eppendorf tube on ice and adding after vortexing the said DNA protein complex obtain from step (c) in the ratio of 105 μ l to the said quantity of microcarrier,
- (ii) vortexing for 3 minutes to the mixture obtained from step (i), adding ethanol in the ratio of 550 μ l to the quantity of the said mixture and vortexing for another one minute,
- (iii) vortexing the mixture obtained from step (ii) at 4°C for 5 to 10 minutes to keep the gold particles suspended,
- (iv) Pelletising the resulting mixture obtained by step (iii) by centrifuging and discarding the supernatant thus obtaining DNA-Protein gold precipitate.
- (e) washing the DNA-Protein gold precipitate obtained from step (iv) with 150 μ l of 70% ethanol without disturbing the pellet and mixing the said DNA-protein gold precipitate in 50 μ l of absolute ethanol to convert it into suspension form of DNA-Protein gold precipitate.

(Complete Specification 9 Pages Drawings Nil Sheet)

Indian Classification	:	9E	193975
International Classification ^a	:	C01G 21/00; C01G 23/00; C01G 25/00; C22C 11/00; C22C 14/00; C22C 16/00.	
Title	:	"A PROCESS FOR THE PREPARATION OF PZT-POLYMER COMPOSITE"	
Applicant	:	THE CHIEF CONTROLLER OF RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, TECHNICAL COORDINATION DTE., B-341, SENA BHAWAN, DHQ P.O. NEW DELHI, INDIA	
Inventors	:	LAXMAN ANANTA GAVANE CHADALAPAKA DURGA PRASAD SURESH CHANDRA SHARMA RAMJI LAL-all Indian.	

Kind of Application : Complete

Application for Patent Number 527/DEL/96 filed on 12.03.96.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

(02 Claims)

A process for the preparation of PZT-polymer composite particularly used in advanced hydrophones having higher receiving voltage sensitivity in the range of -195 dB to -205 dB re 1 V/ μ Pa wherein PZT has general formula of $Pb_{1-3x}La_x(Zr_yTi_{1-y})O_3$ with x varying from 0.03 to 0.05, y varies from 0.50 to 0.54 and polymer is conventional epoxy and wherein volume percent of PZT in the composite is in the range of 20 to 30% and wherein the process comprises steps of :-

- (a) mixing aqueous nitrate solutions of lead (Pb), Zirconium (Zr), Titanium (Ti) and a conventional dopant in stoichiometric proportions wherein mole ratio of Zr to Ti is in the range of 50:50 to 54:46;
- (b) spray drying the nitrate solution obtained by step (a) using a centrifugal disk atomiser to obtain fine and homogenous nitrate powder wherein spray drying is carried out at solution feed ratio of 2-3 litres/hour, inlet temperature of 300 to 350°C, outlet temperature of 90-100°C and at speed of centrifugal atomizer at 20,000-30,000rpm;

- (c) decomposing and calcining the composite nitrate powder obtained by step (b) at 400-550°C for 1-2 hours to obtain homogenous mixture of their oxides;
- (d) mixing 2% PVA binder to the oxide mixture obtained by step (c) and subjecting to cold hydraulic compacting at 175-200MPa followed by sintering at 1150 to 1220° for 1-3 hours obtaining PZT blocks;
- (e) mounting the PZT blocks obtained by step (d) on high speed saw making grooves of desired thickness in one direction, subjecting them to ultrasonic cleaning and back filling with a polymer, curing for 24 hours followed by polishing, remounting to make cuts in a direction orthogonal to the direction of first cuts, ultrasonic cleaning and back filling with polymer, obtaining PZT-polymer composite, wherein polymer taken is commercially available epoxy;
- (f) electroding PZT-polymer composite obtained by step (e) using conventional air-drying silver paste, followed by conventional poling by application of high dc voltage in the range of 15-12kv/cm at a temperature between 60-80°C for a duration of 15-45 min in a silicone oil bath, obtaining the desired PZT-polymer composite;

(Complete Specification 07 Pages Drawings NIL Sheets)

Indian Classification :- 31 **193976**

International Classification⁷ :- H 01 L 23/48

Title :- " SEMICONDUCTOR DEVICE AND A METHOD FOR MANUFACTURE THEREOF "

Applicant :- MITSUBISHI ELECTRIC CORPORATION, of 2-3 Marunouchi 2- chome, Chiyoda-ku, Tokyo, 100, Japan and Sanken Electric Co. Limited of 6-3 Kitano 3-chome, Niiza-shi, Saitama-Pref, 352 Japan.

Inventors :- HISAO TOMIZAWA - JAPAN.

Kind of Application :- COMPLETE

Application for Patent Number 1439/del/1997 filed on 29/05/1997

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 08)

A semiconductor device comprising a support, a mount secured on said support by brazing metal and a semiconductor element secured on said mount wherein

said mount being formed with at least an inclined surface formed at the periphery of a main body to face said support; and a plurality of legs extending from said main body inside said inclined surface to form at least a dent between said legs;

said inclined surface being divergent away from said support;

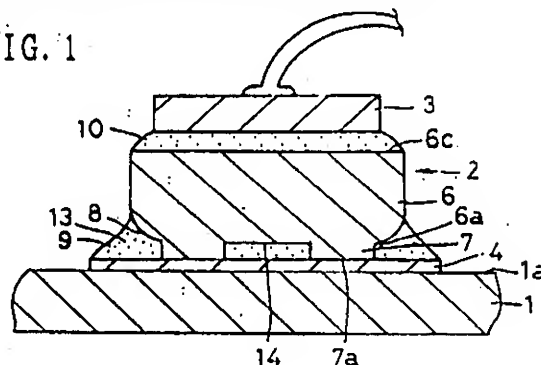
said legs being in direct contact with an electrode of said support to prevent inclined arrangement of said mount;

said brazing metal being disposed in a gap formed between said support and inclined surface of said mount, said gap including said dent and a flaring area between said support and inclined surface of said mount;

each of said legs having same extension length from said main body;

said main body being kept away from and parallel to said electrode by said legs with uniform thickness of said brazing metal between said electrode and said mount.

FIG. 1



Complete Specification

No of Pages

09

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03

Indian Classification	:	40 F	193977
International Classification ⁷	:	C12Q 1/00; G01N 33/00	
Title	:	"ASSAY DEVICE."	
Applicant	:	UCB S.A. (FORMERLY UCB BIOPRODUCTS, S.A.), a Belgian company, of Allee de la Recherche 60, B-1070 Bruxelles, Belgium.	
Inventors	:	JACQUES DEGELAEN – BE JEAN-MARIE FRERE – BE BENOIT GRANIER – BE BERNARD JORIS - BE	
Kind of Application	:	Convention-Complete	

Application for Patent Number 2951/Del/ 98 filed on 6th Oct. 98.
Convention date 7.10.97/ 25.6.98/ 09700807/09800485/BE

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi – 110 008.

(5 Claims)

An assay device which allows the presence of analytes to be detected in a liquid dairy product by tangential capillary migration of the said dairy product by tangential capillary migration of the said dairy product, comprising a solid support (1) made of glass or plastic which has a first and a second end and on which the following membranes are fixed in succession starting from the first end :

- a membrane (2) allowing the analysed liquid to be purified;
- a membrane (3) made from nitrocellulose on which one or more capture substances are immobilized; and
- an absorbent membrane (4) made from cellulose;

characterized in that the membrane (2) is made from non-woven polyester fibers, wherein between said membrane (2) and membrane (3), there is provided membrane (5) having at least one detection reagent deposited on it.

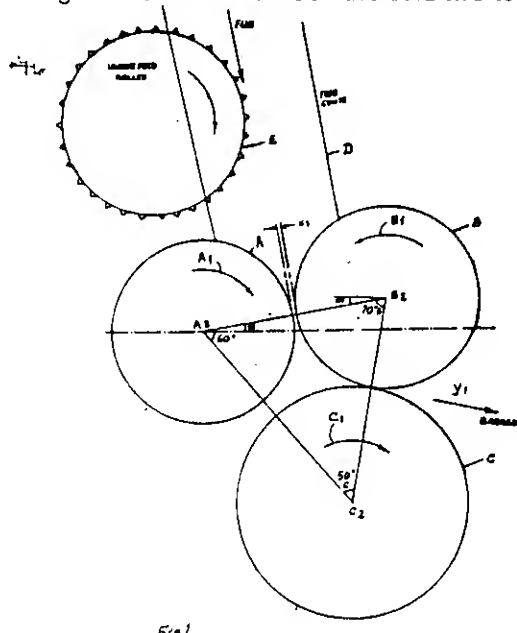
(Complete Specification 39 Pages ; Drawings 1 Sheet)

Indian Classification	:-	94 I	193978
International Classification ⁷	:-	C 13 D1/06	
Title	:-	A mill or crusher for crushing of sugar cane.	
Applicant	:-	Bhushan Lal Mittal, an indian National of Shastri Nagar, Ghaziabad, U.P.	
Inventors	:-	BHUSHAN LAL MITTAL INDIAN	
Kind of Application	:-	COMPLETE	
Application for Patent Number	345/DEL/1996	filed on	22/02/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.

(Claims 6)

A crusher for crushing of sugar cane comprising: (a) a first top roller (A) rotating in direction (A1) and having center (A2), a second top roller (B) having center at B2 and rotating in direction B1 which is opposite to the rotating direction of said top roller (A), the said two top rollers being disposed in a spaced relationship to each other so as to form a gap X1 which constitutes the first location of extraction and wherein the said second top roller (B) has a diameter equal to that of said top roller (A) and wherein further the said top roller B is disposed at an angle + with respect to roller A and roller A is disposed at an angle - with respect to roller B; (b) a bottom roller (C) having diameter greater than either of said top rollers (A,B) and disposed below the said two top rollers, the said bottom roller (C) co-acting with any of the said top rollers to constitute second site of extraction and discharging the baggase in the direction Y1; (C) a feed chute (D) having a crusher feed roller E which feeds the stalk through the said X1 between the said two top rollers(A,B).



Indian Classification	:-	107 G	193979
International Classification ⁷	:-	F 02 41/00	
Title	:-	An apparatus for controlling fuel metering for a internal combustion engine.	
Applicant	:-	Honda Giken Kogyo Kabushiki Kaisha, a corporation of Japan, having a place of business at 1-1, Minamiaoyama 2-chome, Minato-ku, Tokyo, Japan	
Inventors	:-	HIDETAKA MAKI JAPAN SHUSUKE AKAZAKI JAPAN YUSUKE HASEGAWA JAPAN YOICHI NISHIMURA JAPAN	
Kind of Application	:-	COMPLETE/CONVENTION	
Application for Patent Number		375/del/1996	filed on 23/02/1996
Convention No.	7-061654/Japan/01/01/1900		

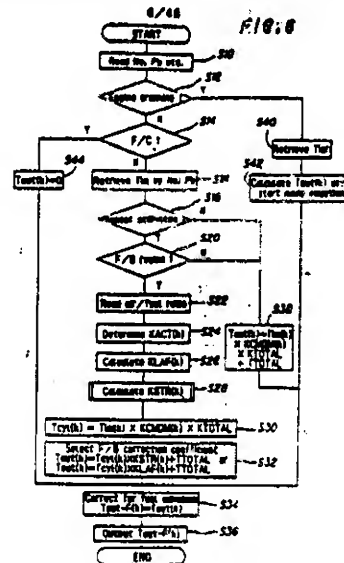
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.

(Claims 2)

An apparatus for controlling fuel metering for a multi-cylinder internal combustion engine (10), which apparatus is provided with: (a) an air/fuel ratio sensor (LAF sensor 54 in FIG. 8) located in the exhaust system (exhaust pipe (26)) of the engine (10) and detecting an air/fuel ratio (KACT) of the engine (10), (b) an engine operating condition detector (crank angle sensor 42, manifold absolute pressure sensor (44), etc., control unit (34) detecting engine operating conditions such as at least engine speed (Ne) and engine load (Pb), (c) a fuel injection quantity determiner (control unit 34, S 10 to S 30 in FIG. 6, S1100 to S1116 in FIG. 34), coupled to said engine operating condition detector, and determining a quantity of fuel injection (T_{im} , specifically T_{cyl} , more specifically T_{out}) for the individual cylinders based on at least the detected engine operating conditions at a predetermined crank angle (e.g. TDC) of the individual cylinders, (d) a fuel injector (22), operatively coupled to said fuel injection quantity determiner, injecting fuel into the individual cylinders of the engine based on the determined quantity of fuel injection, characterised in that: (e) a feedback loop (control unit 34) having an adaptive controller (STR CONTROLLER in FIGs. 7 and 35) said adaptive controller for correcting the quantity of fuel injection by the estimated parameter and an adaptation mechanism (Adaptation mechanism in FIGs 7 and 35) coupled to an input of said adaptive controller and operating independently from the adaptive controller to estimate controller parameters ($\hat{O}(k)$), said adaptive controller correcting the quantity of fuel injection (T_{cyl}) by the estimated controller parameter ($\hat{O}(k)$) to bring a controlled variable (detected air/fuel ratio KACT(k)) obtained based on at least an output of said air/fuel ratio sensor (54), to a desired air/fuel ratio (KCMD(k) as shown in FIG. 9).

Complete Specification
Drawings Sheets 45

No of Pages 97



Indian Classification :- 129 K 193980

International Classification⁷ :- B 23 B 29/00

Title :- A clamping apparatus.

Applicant :- Kennametal Inc., a corporation of the Commonwealth of Pennsylvania of P.O Box 231, Latrobe, Pennsylvania 15650, United States of America.

Inventors :- ROBERT ALFRED ERICKSON US

Kind of Application :- COMPLETE/CONVENTION

Application for Patent Number 353/del/1996 filed on 22/02/1996

Convention No. 406088/United States of America/01/01/1900

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 7)

A clamping apparatus for detachably connecting a tool unit (10) to a tool supporter (43), said tool unit (10) having a wall (20) for wedgingly engaging a locking element (57a, b), said clamping apparatus having: a) a housing (41); b) at least one movable locking element (57a, b) within said housing (41); c) a canister member (39) having an exterior (41) that is matable within said tool unit (10), having an aperture (55a, b) for admitting and guiding said movable locking element (57a, b) through a wall (56) of said member (39); and d) a lock rod (60) reciprocally movable within the interior of said canister member (39) along an axis (A) and having a cam portion (64) for radially moving said locking element (57a, b) through said aperture (55a, b) of said canister member (39) into mechanically advantageous wedging and locking engagement with said wall (30) of said tool unit (10), characterized in that the walls (56) of said aperture (55a, b) of said canister member (39) are angled with respect to a line (R) extending radially from said axis (A) such that said aperture walls (56) guide said locking element (57a, b) into said wall (30) of said tool unit (10) at a smaller angle D that is more parallel to said tool unit wall (30) than if said aperture walls were parallel to said line (R) for increasing the force of wedging and locking engagement between said locking element (57a, b) and said tool unit wall (30) by increasing the mechanical advantage between said locking element (57a, b) and said tool unit wall (30).

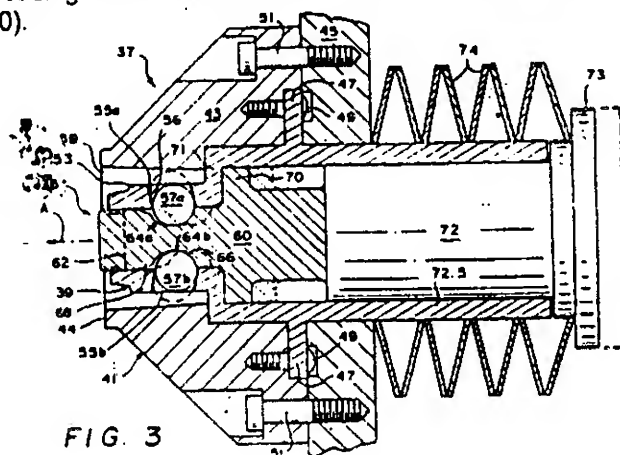
Complete Specification

No of Pages

13

Drawings Sheets

3



Indian Classification	:	90 A	193981 17578
International Classification ⁷	:	C03C 6/06; C03C 4/10	
Title	:	"A PROCESS FOR PREPARATION OF FLOURIDE GLASS."	
Applicant	:	THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVT. OF INDIA, NEW DELHI B-341, SENA BHAWAN, DHQ P.O. - 110011, AN INDIAN NATIONAL.	
Inventors	:	AJIT RANGNATH KULKARNI - INDIAN PRADYUMNA KUMAR GUPTA - INDIAN	
Kind of Application	:	Complete	

Application for Patent Number 1035/Del/96 filed on 16th May 96.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi - 110 008.

A process for preparation of fluoride glass comprising the steps of:

- (a) mixing 5 to 30% mole of YF_3 , 5 to 35% mole of PbF_2 , 5 to 35% mole of CdF_2 , 30% mole of AlF_3 , adding 1 to 5% by weight of teflon powder to the resulting mixture and homogenising the mixture by grinding;
- (b) placing the mixture obtained by step (a) into a platinum crucible, closing it with a lid and preheating the said mixture at a temperature of 200-400°C for 3-4 hours in an electric furnace; raising the temperature to 600-650°C and keeping the said mixture at this temperature for 2-3 hours to obtain glass melt; raising the temperature to 700-900°C and keeping the said glass melt at this temperature for 0.5 to 1 hour; taking out the said glass melt from the furnace;
- (c) cooling the glass melt obtained from step (b) in an oven at 250-300°C for 30 minutes;

- (d) raising the temperature of the said furnace to 1000°C and heating the glass melt obtained from step (c) in the said furnace for 15 to 30 minutes with repeated slow shaking of the molten glass; raising the temperature of the said furnace to 1090 to 1110°C and heating the said glass melt for 15 to 30 minutes with continuous shaking; raising the said temperature to 1160-1180°C and heating the said glass melt for 2-5 minutes with shaking; heating the said melt at 1190-1210°C for 1 to 2 minutes; taking out the crucible containing the said glass melt from the furnace; homogenising by shaking the melt manually and pouring the said glass melt into a brass mould preheated to a temperature of 200-250°C;
- (e) cooling the said glass melt in the said mould to get solidified glass; annealing the said solidified glass at a temperature of 318 to 340°C to get the desired fluoride glass.

(Complete Specification 15 Pages & Drawings Nil Sheet)

Indian Classification	:-	64 B 3	193982
International Classification ⁷	:-	H01 R 9/09	
Title	:-	"An assembly for mounting electrical components".	
Applicant	:-	International Business Machines Corporation, a company organised and existing under the law of the State of New York, United State of America, of Armonk, New York 10504, U.S.A.	
Inventors	:-	Campbell, Jeffrey Scott - U.S. Citizen, Herard, James D. - U.S. Citizen, Nowak, Ronald Peter - U.S. Citizen, Slack, John Robert - U.S. Citizen, Stone, David Brian - U.S. Citizen.	
Kind of Application	:-	COMPLETE/CONVENTION	

Application for Patent Number 761/Del/1996 filed on 09/04/1996

Convention No. 08/524, 361 United States of America/05/09/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 29)

An assembly for mounting electrical components, said assembly comprising: - a multi-conductor flexible cable having a plurality of conductors and an insulation layer; and - a reinforcer mounted on a surface of the flexible cable, the reinforcer having a length and width such that at least one dimension is less than the corresponding dimension of the flexible cable and wherein the length and width of the reinforcer define a cable enclosure area of increased local rigidity within the reinforcer that prevents flexure of the cable and is sufficiently large to permit one or more electrical components to be connected with at least one of the conductors at a location within the enclosure area.

Complete Specification No of Pages 16 Drawings Sheets 9

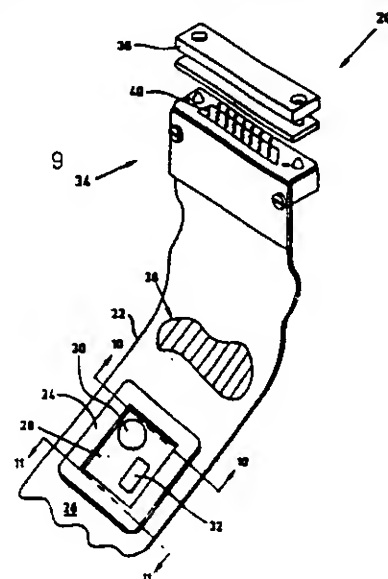


FIG. 1

Indian Classification	:	40 C	193983
International Classification ⁷	:	C01G 51/06; C01G 51/04	
Title	:	"A PROCESS FOR PRODUCING BASIC COBALT (II) CARBONATE AGGLOMERATES."	
Applicant	:	H.C. STRACK GmbH & CO. KG., a company of Germany of Im Schleeke 78-91, D-38642 Goslar, Germany.	
Inventors	:	ASTRID GORGE- GERMAN JULIANE MEESE-MARKTSCHIEFFEL- GERMAN DIRK NAUMANN - GERMAN ARMIN OLBRICH - GERMAN FRANK SCHRUMPF - GERMAN	
Kind of Application	:	Convention-Complete	

Application for Patent Number 1060/Del/ 96 filed on 20th May 96.
Convention date 26.5.1995/ 19519326.1/ Germany

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)
Patent Office Branch, New Delhi – 110 008.

(2 Claims)

A process for producing basic cobalt (II) carbonate agglomerates from fine primary particles and of general composition $\text{Co}[(\text{OH})_2]_a[\text{CO}_3]_{1-a}$, where $0.1 \leq a \leq 0.9$ characterised in that aqueous solutions of cobalt salts of general formula CoX_2 , where X represents Cl^- , NO_3^- and/or $\frac{1}{2} \text{SO}_4^{2-}$, are reacted with aqueous solutions or suspensions of alkali and/or ammonium carbonates and/or hydrogen carbonates at temperatures between 40 and 100°C, preferably 60 to 90°C, and the resulting basic cobalt (II) carbonate agglomerates are subsequently filtered off and washed until they are neutral and free from salts.

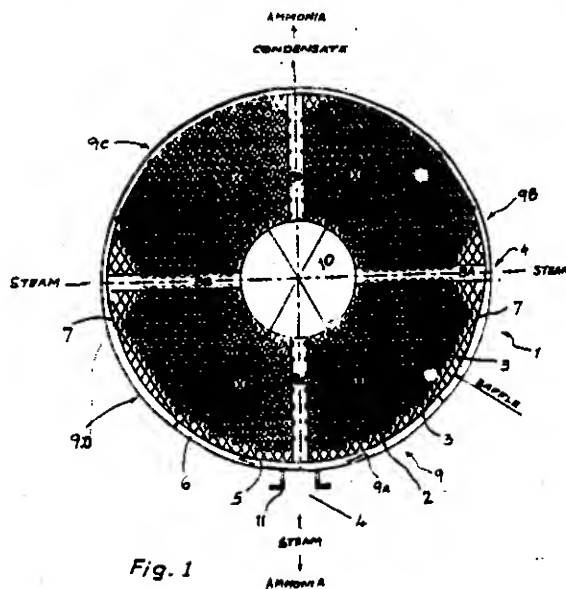
(Complete Specification 16 Pages ; Drawings 10 Sheets)

Indian Classification	:-	176 B, 176F	193984
International Classification ⁷	:-	F 28 F 13/02, F 28 D 7/00	
Title	:-	"A HEAT EXCHANGER FOR USE IN A VACUUM PAN"	
Applicant	:-	BHUSHAN LAL MITTAL, of C-23, Buland Sher Road Industrial Area, Ghaziabad, Uttar Pradesh, INDIA.	
Inventors	:-	BHUSHAN LAL MITTAL - INDIA	
Kind of Application	:-	COMPLETE	
Application for Patent Number	1117/del/1996	filed on	27/05/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi
Branch - 110 008.

(Claims 03)

A heat exchanger for use in a vacuum pan comprising a plurality of tubes (2) disposed in spaced but adjacent relationship to each other to allow the flow of steam there between, the said tubes are provided for flow of massecuite inside them; characterised in that :- a baffle plate (5) is provided on either side of steam inlet (4) to form an annular path (6) between said baffle plate and calandria; the said baffle plate extending upto tubeless zone (7); - the said tubes (2) are provided in four quadrants (9A to 9C); a passage (8A to 8D) being provided between each pair of adjacent quadrants; and a plurality of ammonia pipes (11) are provided, at least one each is at top and bottom of the said calandria and in the two passages (8C, 8D).



Complete Specification

No of Pages

07

Drawing Sheets

01

Indian Classification : 206E 193985

International Classification⁴ H04J - 3/00, 3/02

Title : "A BASESTATION APPARATUS FOR PROCESSING SIGNALS"

Applicant : AIRNET COMMUNICATIONS CORPORATION, a Delaware Corporation of Suite 300, 100 Rialto Place, Melbourne, Florida 32901, United States of America.

Inventors : RONALD RAY CARNEY-US
TERRY LEE WILLIAMS-US.

Kind of Application : Complete

Application for Patent Number 1910/DEL/1995 filed on 18.10.95

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

(08 Claims)

A basestation apparatus for processing signal in a multiple mobile subscriber wireless communication system comprising:

an antenna for receiving signals from a plurality of the mobile units as a composite radio frequency (RF) signal;

wideband digital tuner means, connected to the antenna, for downconverting a selected bandwidth of the RF signal to an intermediate frequency (IF), and for performing an analog to digital conversion on the IF signal, to provide a wideband digital tuner output signal;

digital channelization means, being connected to receive the wideband tuner output signal, and providing multiple digital channel signal outputs, each digital channel signal output having a predetermined channel bandwidth, and each digital channel signal corresponding to one of the signals received from one of the mobile units;

a plurality of digital signal processing means, for providing digitally processed channel signal outputs; and

time division multiplex switching means disposed between the multiple digital channel signal outputs and the plurality of digital signal processing means,

the switching means for interconnecting any one of the multiple digital channel signal outputs to any one of the plurality of the digital signal Processing means.

(Complete Specification 22 Pages Drawings 08 Sheets)

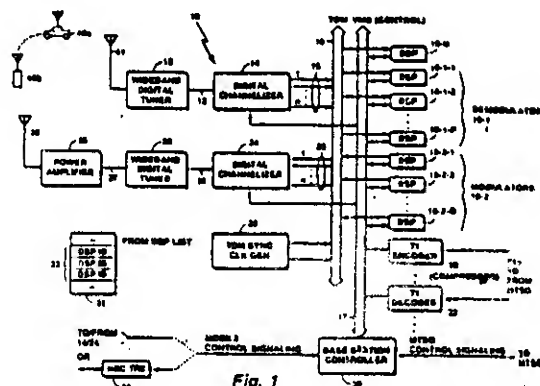


Fig. 1

Indian Classification :- 97 F 193986

International Classification⁷ :- F 28 F 7/00

Title :- "A HEAT TRANSFER APPARATUS"

Applicant :- AMERIGON, INC., at 404 E. Huntington Drive, Monrovia, California 91016, United States of America

Inventors :- DAVID FOREST GALLUP - USA.
RANKIRI TISSA KARUNASHIRI - USA.
LON EDWARD BELL - USA.
CHRISTIAN THOMAS GREGORY - USA.
DAVID ROMAN NOLES - USA.

Kind of Application :- COMPLETE

Application for Patent Number 2090/del/1995 filed on 15/11/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 11)

A heat transfer apparatus comprising:

a thermoelectric module having

an external structure comprising oppositely oriented first and second plates of thermally conductive material, the plates having inside surfaces facing each other and outside surfaces facing away from each other;

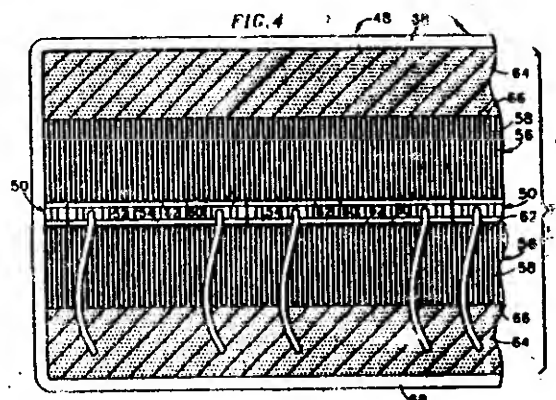
at least one thermoelectric element as herein described interposed between the inside surfaces of the plates and operatively contacting said inside surfaces;

a plurality of heat transfer elements configured to promote convective heat transfer, wherein each heat transfer element is provided with an interfacing portion that operatively contacts at least one of the outside surfaces of the first and second plates, and a fin element extending from the interfacing portion to an outer facing fin portion; and

contact maintaining means for maintaining contact between the heat transfer elements and the outside surfaces of the first and second plates.

Complete Specification No of Pages 22

Drawings Sheets 07



Indian Classification	:-	14 C	193987
International Classification ⁷	:-	H 01 M 2/02	
Title	:-	" COMBINED BATTERY "	
Applicant	:-	HONDA GIKEN KOGYO KABUSHIKI KAISHA, a corporation of Japan, having a place of business at 1-1 Minamiaoyama 2-chome, Minato-ky, Tokyo, Japan.	
Inventors	:-	TORU TAKEDA - JAPAN. YOSHIHIRO NAKAZAWA - JAPAN.	
Kind of Application	:-	COMPLETE/CONVENTION	
Application for Patent Number	2263/del/1995	filed on	07/12/1995

Convention No ~~316-7-2401~~ Japan/25/08/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi
Branch - 110 008.

(Claims 03)

A combined battery comprising a plurality of unit cells integrally packed, said unit cells being provided in at least one row and multiple columns; said unit cells are provided in a staggered fashion between said columns adjacent to each other; and an insulating member provided for partitioning said unit cells from each other has between-column unit cell partitioning portions for partitioning said unit cells in said adjacent columns from each other, and in-row unit cell partitioning portions integrally extending from said between-column unit cell partitioning portions for partitioning said unit cells adjacent to each other in the row of each column from each other, characterized in that said insulating member is formed by a longitudinally extending element wherein said between column unit cell partitioning portions are formed of single layer sections of said longitudinally extending element and wherein said in-row unit cell partitioning portions are formed of double layer sections of said longitudinally extending element a first layer of the double layer sections extending from one section of said between -column unit cell partitioning portions and a second layer of the double layer sections returning to another section of said between column unit cell partitioning portion.

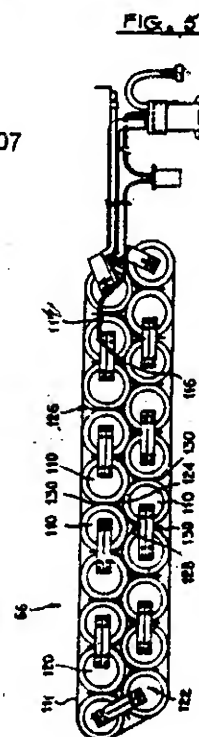
Complete Specification.

No of Pages

20

Drawings Sheets

07



Indian Classification :- 128 G 193988

International Classification⁷ :- A 61 F 13/15

Title :- An Absorbent article.

Applicant :- The Procter & Gamble Co. a corporation organised and existing under the laws of the state of Ohio, United States of America, of One Procter & Gamble Plaza, Cincinnati, Ohio 45202, United States of America, under

Inventors :- SANDRA HINTZ CLEAR US
KENNETH BARCLAY BUELL US
DENISE MARIE STELLJES US
MERLENE ADAMS CUMMINS US

Kind of Application :- COMPLETE/CONVENTION

Application for Patent Number 2283/del/1995 filed on 12/12/1995

Convention No. 357487/United States of America/01/01/1900

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 9)

An absorbent article for fitting about a wearer's body having longitudinal and lateral centerlines, which respectively define a longitudinal and a lateral direction, comprising a containment assembly having first and second end edges, said containment assembly comprising a liquid pervious topsheet, a liquid impervious backsheet joined with said topsheet, and an absorbent core positioned intermediate said topsheet and said backsheet; characterized in that said absorbent article comprises a first fit panel having a first waist edge and a first chassis edge being joined to said containment assembly adjacent said first end edge of said containment assembly, said first fit panel being elastically extensible with a vector component in the longitudinal direction, said elastic extensibility providing a body contact force, a first waist feature being joined to said first fit panel adjacent said first waist edge, said first waist feature being elastically extensible with a vector component in the lateral direction; and a fastening system disposed on said first waist feature for maintaining lateral tension through at least a portion of said first waist feature.

Complete Specification

No of Pages

28

Drawings Sheets

4

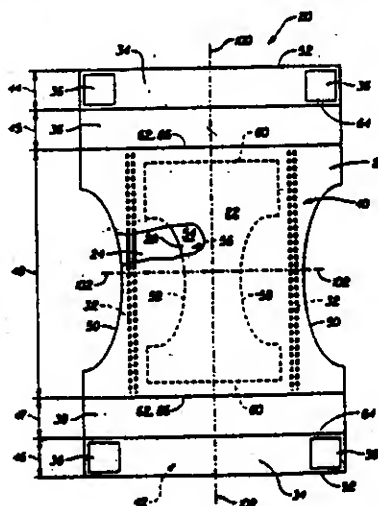


Fig. 1

Indian Classification

31 C

193989

International Classification⁷

H 05 B 3/00

Title

"AN ELECTRICAL RESISTANCE HEATING ELEMENT, A WATER HEATER COMPRISING THE HEATING ELEMENT AND A METHOD OF RESISTANCE HEATING A FLUID".

Applicant

RHEEM MANUFACTURING COMPANY, of 405 Lexington Avenue, New York, New York 10174-0307, United States of America and ENERGY CONVERTORS INC., of Lower Demunds road, Dallas, Pennsylvania 18612, United States of America,

Inventors

CHARLES MARTIN ECKMAN - U.S.A.

State of application

COMPLETE

Application for Patent Number

2420/del/1995

filed on

27/12/95

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

(Claims 14)

An electrical resistance heating element comprising :- an electrically conductive, resistance heating member (14) having a pair of free ends joined to a pair of terminal end portions (12,16) characterized in that said resistance heating member being fully supported by and encapsulated within an integral layer of an electrically insulating, thermally conductive, injection molded, polymeric material (30) whereby said polymeric material is in direct contact with said fluid medium, and will not melt when heating said fluid medium.

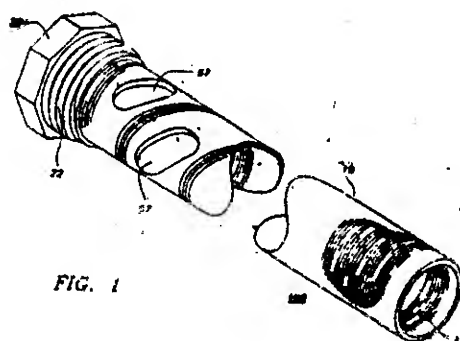
Complete Specification

No of Pages

14

Drawings Sheets

04

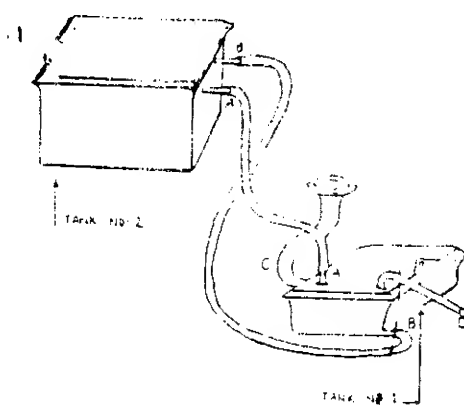


Indian Classification	:-	107 E	193990
International Classification ⁷	:-	B 01D 53/34, F 01N 3/10	
Title	:-	"POLLUTANT ELIMINATOR"	
Applicant	:-	PREM CHANDRA SWARNIKAR, 100-SHARAF BAZAR MAHOBA PIN - 210427, DISTT. MAHOBA (U.P.), INDIA.	
Inventors	:-	PREM CHANDRA SWARNIKAR - INDIAN	
Kind of Application	:-	PROVISIONAL/COMPLETE	
Application for Patent Number	1887 under 1995	filed on	13/10/1995

Complete left after Provisional Specification on 05 02 1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent
Office, New Delhi Branch - 110 008 (Claims 3)

- इस पालूटेंट एलीमिनेटर में दो टैंक, टैंक नं 1 और टैंक नं 2 हैं,
- टैंक नं 1 को इंजन के धुआं निकासी पाईप से टैंक नं 1 के पाईप C से जोड़ा गया है,
- टैंक नं 1 से प्रदूषकों से क्रिया के बाद बची हुई हवा व अन्य हानि रहित गैसों पाईप D से बाहर निकालने की व्यवस्था है,
- प्रदूषकों से क्रिया करने के बाद बने तरल, जिन्हें चित्रों में O+P से दिखाया है, पाईप B के माध्यम से टैंक नं 2 में भेजने की व्यवस्था है,
- टैंक नं 1 के निकास पाईप B के द्वारा टैंक नं 2 के B पाईप से द्रव्य द्वारा जोड़ा गया है,
- टैंक नं 1 के निकासी पाईप B में एक वाल्व Y1 है,
- वाल्व Y1 तरल को मात्र बाहर जाने देता है
- टैंक नं 1 में अभिकर्मक M टैंक नं 2 से आने के लिए एक पाईप A है,
- यह A पाईप टैंक नं 2 के A पाईप से एक द्रव्य द्वारा जोड़ा गया है,
- टैंक नं 1 अन्दर से FG और HK दो प्लेटों के माध्यम से U1, U2 और U3 तीन कक्षों में बंटा है, और
- प्लेट FG और HK में कुछ पाईप ऊपर की ओर जुड़कर नीचे की ओर द्रव अभिकर्मकों में खुले हैं।



Provisional Specification	FIG. NO.	No of Pages	8	Drawings Sheets	5
Complete Specification		No of Pages	10	Drawings Sheets	6

OPPOSITION PROCEEDING (SEC. 25)

An opposition has been entered by M/s. Compare Equipments Co., Mumbai-400 004 to the grant of a patent on Patent Application No. 191538 (IN/PCT/2000/00018/Mum) made by Mr. Medici Guido, Italy.

An opposition has been entered by Mr. Amit Kedia to the grant of a patent on Patent Application No. 191538 (IN/PCT/2000/00018/Mum) made by Mr. Medici Guido, Italy.

An opposition has been entered by Mr. Yatin Tipnis, Thane-400 601 to the grant of a patent on Patent Application No. 191538 (IN/PCT/2000/00018/Mum) made by Mr. Medici Guido, Italy.

An opposition has been entered by Bhate & Ponshe, Pune on behalf of Vanaz Engineers Limited, Pune, Maharashtra to the grant of a Patent on Application No. 191675 (1251/Del/95) dated 05.07.1995 made by Council of Scientific & Industrial Research.

An opposition has been entered by M/s. S. Majumdar & Co., Kolkata on behalf of Hindustan Lever Limited, Mumbai, Maharashtra to the grant of a Patent on Application No. 191914 (1067/Del/1995) dated 10.06.1995 made by The Procter & Gamble Company.

An opposition has been entered by M/s. Procter & Gamble Far East Inc., Japan to the grant of a patent on Patent Application No. 192002 (750/Bom/1998) made by M/s. Hindustan Lever Ltd., Mumbai-400 072.

APPLICATION UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

In pursuance of leave granted Under Section 20(1) of the Patents Act, 1970, Patent Application No. 130/Cal/94 (181386) in the name of "PPG Industries Inc. has been allowed to proceed in the name of "PPG Industries Ohio Inc." a Delaware Corporation, of 3800 West 143rd Street, Cleveland, Ohio-44111, United States of America

In pursuance of leave granted Under Section 20(1) of the Patents Act, 1970, Application No. 22/Del/98 (188003) of Uniroyal Chemical Company, Inc. (New Jersey) of Benson Road, Middlebury, Connecticut 06749, United States of America, has been allowed to proceed in the name of Crompton Manufacturing Company, Inc. (New Jersey) of Benson Road, Middlebury, Connecticut 06749, United States of America.

In pursuance of leave granted Under Section 57 of the Patent Act, 1970, Application No. 22/Del/98 (188003) of the first applicant Uniroyal Chemical Company, Inc. New Jersey) to Crompton Manufacturing Company, (New Jersey).

and

Second applicant Uniroyal Chemical Co. Uniroyal Chemical Cie. (formerly Uniroyal Chemical Ltd./Uniroyal Chemical LTEE) has been allowed to proceed in the name of Crompton Co./Cie a Nova Scotia, having a principal business at 25 Erb Street, Elmira, Ontario N3B 3A3, Canada.

RESTORATION UNDER SECTION 60 OF THE PATENTS ACT, 1970

Notice is hereby given that an application for restoration of Patent No. 181551 made by WM Wrigley Jr. Company on 23.04.2003 has been allowed and the said Patent is restored.

RENEWAL FEES PAID

KOLKATA FROM 01.01.2004 TO 31.03.2004

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188613 188022 183835 184483 181480 179521 189757 185977 186120 186121 186127 186256 186309
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189479 189480 189488 189491 189500 186690 186058 189290 189313 185613 185703 186437 188754
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PATENT SEALED ON 06-08-2004/KOLKATA

191971 191974 191977 191979 191981 191985 191990 192128





PATENT SEALED ON 16-07-2004/CHENNAI




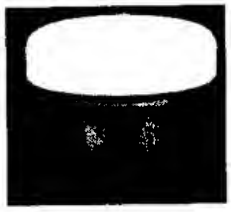

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191939

REGISTRATION OF DESIGNS



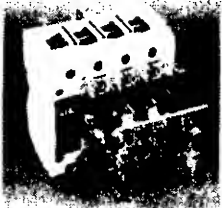


The following designs have been registered. They are open for public inspection from the date of registration. (Colour combination if any, is not shown in the representation)






The dates shown in the following each entry is the date of registration.

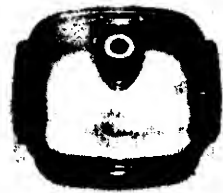




Class	11-01	No.192630. STAR DIAMOND GROUP INC., AT, 1285, AVENUE OF THE AMERICAS, NEW YORK, NY 10019, U.S.A. "GEMSTONE" 31.01.2003 (RECIPROCITY, U.S.A.)	
Class	15-07	No.192584. MULTIBRAS S.A. ELETRODOMESTICOS, AV. DAS NACOES UNIDAS, 12.995-32º ANDAR, SAO PAULO-SP, BRAZIL. "A COMBINED REFRIGERATOR" 24.01.2003 (RECIPROCITY, BRAZIL)	
Class	21-01	No.193795. ANAND TECH PLAST (PVT) LTD. B-57, BADARPUR BORDER, NEW DELHI-110044, INDIA, "TOY" 13.11.2003	
Class	07-03	No.193554. MANEK METAL (INDIA) PVT. LTD OF 262, K-1, INSIDE MEHTA ESTATE, THAKURDWAR MAIN ROAD, MUMBAI-400002, MAHARASHTRA, INDIA. "FORK" 20.10.2003	






Class	09-07	No.193364. TRUE PACK PVT. LTD., AT NO.485, 13 TH CROSS, IV TH PHASE, PEENYA INDUSTRIAL AREA, BANGALORE: -560 058, KARNATAKA, INDIA,"CAP" 20.09.2003.	
Class	02-04	No.193799. ALPINE POLYRUB PVT. LTD., B-23, MANGOLPURI, INDL. AREA, PHASE-II, DELHI: -110 034, (INDIA). "SLIPPER" 18.11.2003	
Class	14-03	No.193465. KABUSHIKI KAISHA TOSHIBA, A JAPANESE CORPORATION, OF 1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO, JAPAN. "TELEVISION SET" 10.10.2003	
Class	09-01	No.193623. HINDUSTAN LEVER LIMITED AT HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI: -400 020, MAHARASHTRA, INDIA. "JAR WITH CAP" 31.10.2003.	
Class	12-16	No.193801. M/S. JOGINDER SINGH TEJVINDER SINGH, OPP. DHANDARI RAILWAY STATION, DHANDARI KALAN, LUDHIANA: -141 010, (PUNJAB) (INDIA). "SADDLE FOR BICYCLES" 18.11.2003.	



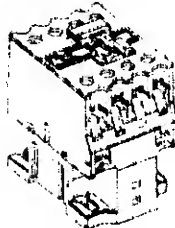
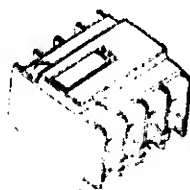

Form No. 3.





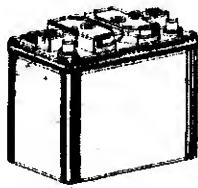
Class	21-01	No.193406. M/S. VENDEEZ, AN INDIAN COMPANY AT NO.570, 1-A CROSS, SERVICE ROAD, DOMLUR LAYOUT, BANGALORE:-560 071, KARNATAKA STATE, INDIA. "AUTOMATIC VENDING MACHINE" 08.10.2003	
Class	13-03	No.194364. LARSEN & TOUBRO LIMITED, L&T HOUSE BALLARD ESTATE, MUMBAI: -400 001, MAHARASHTRA, INDIA, "ELECTRICAL SWITCH" 12.01.2004	
Class	13-03	No.194365. LARSEN & TOUBRO LIMITED, L&T HOUSE BALLARD ESTATE, MUMBAI: -400 001, MAHARASHTRA, INDIA, "ELECTRICAL SWITCH" 12.01.2004	
Class	13-03	No.194367. LARSEN & TOUBRO LIMITED, L&T HOUSE BALLARD ESTATE, MUMBAI: -400 001, MAHARASHTRA, INDIA, "ELECTRO MAGNETIC CONTACTOR" 12.01.2004	
Class	07-02	No.193609. TIME APPLIANCES PVT. LTD., A COMPANY REGISTERED IN INDIA, HAVING ITS REGISTERED OFFICE AT A-27, KIRAN INDUSTRIAL ESTATE, M.G. ROAD, GOREGAON(W), MUMBAI:-400 062, MAHARASHTRA, INDIA, "LID" 29.10.2003.	






Class	07-02	No.193610. GANESH PRODUCTS, AN INDIAN PARTNERSHIP FIRM HAVING ITS OFFICE AT UNIT NO.20, BUILDING 'B', SHRAMJIVI UDYOG BHAVAN RAMCHANDRA LANE EXTN., KATCH PADA, MALAD (W), MUMBAI:-400 064, MAHARASHTRA, INDIA,, "CONTAINER" 29.10.2003	
Class	07-02	No.193608. TIME APPLIANCES PVT. LTD., A COMPANY REGISTERED IN INDIA, HAVING ITS REGISTERED OFFICE AT A-27, KIRAN INDUSTRIAL ESTATE, M.G. ROAD, GOREGAON(W), MUMBAI:-400 062, MAHARASHTRA, INDIA, "LID" 29.10.2003	
Class	08-09	No.193547. VARDHAMAN VALLEY (INDIA) PVT. LTD., A-10, LOUIS PALACE, SHANKAR LANE, MALAD(W), MUMBAI: -400 064, MAHARASHTRA, (INDIA), "DOOR STOPER" 17.10.2003	
Class	15-06	No.193432. AVI ENGINEERING PVT. LTD., AT, B/202, SUFLAM FLATS, NARANPURA, AHMEDABAD: -380 013, GUJARAT, INDIA. "COTTON CONVEYING TROLLEY" 13.10.2003	
Class	15-06	No.193431. AVI ENGINEERING PVT. LTD., AT, B/202, SUFLAM FLATS, NARANPURA, AHMEDABAD: -380 013, GUJARAT, INDIA. "PNEUMATIC DROPPER BOX" 13.10.2003	



Class	07-02	No.193756. M/S. POLYSET PRODUCTS PVT. LTD., IS 2503-6, GUJARAT INDUSTRIAL DEVELOPMENT CORPORATION, HALOL DIST. PANCHMAHAL-389350, IN THE STATE OF GUJARAT, INDIA. "VACUUM CONTAINER" 12.11.2003	
Class	09-01	No.193251. RADHA KISHAN BISHAN DAS & CORP., GURIHA WALA PECH, HATHRAS (U.P.), INDIA, WHOSE PROPRIETOR IS : RAM NIWAS AGGARWAL, INDIAN. "BOTTLE" 15.09.2003	
Class	12-11	No.193254. HERO CYCLES LIMITED, HERO NAGAR, G.T. ROAD, LUDHIANA-141003, (PUNJAB), INDIA., "BICYCLE" 15.09.2003	
Class	12-11	No.193253. HERO CYCLES LIMITED, HERO NAGAR, G.T. ROAD, LUDHIANA-141003, (PUNJAB), INDIA., "BICYCLE" 15.09.2003	
Class	12-11	No.193594. HERO CYCLES LIMITED, HERO NAGAR, G.T. ROAD, LUDHIANA-141003, (PUNJAB), INDIA., "BICYCLE" 15.09.2003	

Class	13-03	No.194366. LARSEN & TOUBRO LIMITED, L&T HOUSE BALLARD ESTATE, MUMBAI: -400 001, MAHARASHTRA, INDIA, "ELECTRO MAGNETIC CONTACTOR" 12.01.2004	
Class	02-04	No.193295. M/S. JOSCO RUBBER (PONDY) PVT. LTD AT NO.4, ROMAIN ROLLAND STREET, PONDICHERRY-605 001 AND ADMINISTRATIVE OFFICE AT 8/50, MOONALINGAL, CALICUT-673 032, KERALA, INDIA, SOUTH INDIA, "FOOTWEAR" 25.09.2003	
Class	09-01	No.192428. INNOVAXIX UK LIMITED OF 54 HILLBURY AVENUE, HARROW, MIDDLESEX, HA 3 8 EW, ENGLAND. "CONTAINER, PRIMARILY FOR USE AS A COOL BOX" 23.06.2003	
Class	13-03	No.194363. LARSEN & TOUBRO LIMITED, L&T HOUSE BALLARD ESTATE, MUMBAI: -400 001, MAHARASHTRA, INDIA, "ELECTRO MAGNETIC CONTACTOR" 12.01.2004	
Class	23-01	No.193489. VIRDI TUBEWELL BORING CO., OF SANGRUR ROAD, PATRAN DISTRICT - PATIALA (PUNJAB), INDIA, "BAIL PLUG" 17.10.2003	

Class	07-02	No.193607. TIME APPLIANCES PVT. LTD., A COMPANY REGISTERED IN INDIA, HAVING ITS REGISTERED OFFICE AT A-27, KIRAN INDUSTRIAL ESTATE, M.G. ROAD, GOREGAON(W), MUMBAI:-400 062, MAHARASHTRA, INDIA, "CONTAINER (LID)" 29.10.2003	
Class	07-02	No.193606. TIME APPLIANCES PVT. LTD., A COMPANY REGISTERED IN INDIA, HAVING ITS REGISTERED OFFICE AT A-27, KIRAN INDUSTRIAL ESTATE, M.G. ROAD, GOREGAON(W), MUMBAI:-400 062, MAHARASHTRA, INDIA, "CONTAINER (LID)" 29.10.2003	
Class	13-03	No.193239. FEDERAL ELEKTRIK YATIRIM VE TICARET ANONIM SIRKETI, NATIONALITY TURKEY, OF 1, ORGANIZE SANAYI BOLGESI HANLI BELDESI-SAKARYA/TURKEY. "CONDUCTOR" 15.09.2003	
Class	13-03	No.193241. FEDERAL ELEKTRIK YATIRIM VE TICARET ANONIM SIRKETI, NATIONALITY TURKEY, OF 1, ORGANIZE SANAYI BOLGESI HANLI BELDESI-SAKARYA/TURKEY. "SUPPORTING CONTACT BLOCKS" 15.09.2003	
Class	09-01	No.194468. THREE-N-PRODUCTS PVT. LTD., OF 2/12, MAIN PATEL ROAD, WEST PATEL NAGAR, NEW DELHI:-110 008, "BOTTLE" 21.01.2004	

Class	09-01	No.194467. THREE-N-PRODUCTS PVT. LTD., OF 2/12, MAIN PATEL ROAD, WEST PATEL NAGAR, NEW DELHI:-110 008, "BOTTLE" 21.01.2004	
Class	22-06	No.193553. PEST CONTROL (INDIA) PVT. LTD., AT 36 YUSUF BUILDING, M.G. ROAD, MUMBAI: - 400 001, MAHARASHTRA, INDIA. "INSECT TRAP" 20.10.2003	
Class	09-09	No.193548. XTRACARE PRODUCTS PVT. LTD., AT NO.725, VI B CROSS, 3 RD BLOCK, KORAMANGALA, BANGALORE: -560 034, KARNATAKA, INDIA, "MOSQUITO COIL STAND" 17.10.2003	
Class	09-05	No.193282. RECKITT BENCKISER N.V., OF KANTOORGEBOUW DE APPELAER, DE FRUITTUINEN 2-12, 2132 HOOFFDORP NZ, NETHERLA-NDS."CAPSULE" 22.03.2003 (RECIPROCITY, U.K.)	
Class	13-02	No.193368. EXIDE INDUSTRIES LIMITED, 59E CHOWRINGHEE ROAD, CALCUTTA-700020, WEST BENGAL, INDIA, AN INDIAN COMPANY. "BATTERY" 01.10.2003.	

Class	23-04	No.194036. RECKITT BENCKISER (UK) LIMITED, A BRITISH COMPANY, OF 103-105 BATH ROAD, SLOUGH, BERKSHIRE, SL1 3UH, UNITED KINGDOM. "BOTTLE" 19.06.2003 (RECIPROCITY, G.B.)	
Class	04-02	No.193599. K. SUNDARA RAMAN, NO.447, M.G. ROAD, (NEAR MUTHIALPET POLICE ST.) MUTHIALPET, PONDICHERRY-3, PIN: -605 003, INDIA, AN INDIAN NATIONAL. "TOOTHBRUSH" 28.10.2003	
Class	04-02	No.194621. C.P. MARKETING INC., A-65, SWARN PARK INDUSTRIAL AREA, PHASE-1, MUNDKA, NANGLOI, DELHI-110041. "SHINE SPONGE" 17.02.2004.	
Class	08-01	No.194944. S.N. POLYMERS (P) LTD., AN INDIAN PRIVATE LIMITED COMPANY OF 27, TILOK ROAD, HAKIMPARA, SILIGURI-734401, WEST BENGAL, INDIA, "PORTABLE DISTRIBUTION DEVICE USED FOR DRILLING" 26.03.2004	
Class	09-06	No.194618. HINDUSTAN PENCILS LTD., AN INDIAN COMPANY, 510, HIMALAYA HOUSE, 79, PALTON ROAD, MUMBAI: -400 001, MAHARASHTRA, INDIA. "PENCIL" 17.02.2004.	

Class	09-06	No.194619. HINDUSTAN PENCILS LTD., AN INDIAN COMPANY, 510, HIMALAYA HOUSE, 79, PALTON ROAD, MUMBAI: -400 001, MAHARASHTRA, INDIA. "PENCIL" 17.02.2004.	
Class	04-02	No.194622. C.P. MARKETING INC., A-65, SWARN PARK INDUSTRIAL AREA, PHASE-1, MUNDKA, NANGLOI, DELHI-110041. "TWIN SHINER" 17.02.2004.	

S. CHANDRASEKARAN

Controller General of Patents, Designs & Trade Marks